



**September Quarter 1990  
Employed Wage  
and Salary  
Earners  
Australia**

**Catalogue No. 6248.0**

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**EMPLOYED WAGE AND SALARY EARNERS  
AUSTRALIA  
SEPTEMBER QUARTER 1990**

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## SUMMARY OF FINDINGS

The Australian Bureau of Statistics (ABS) publishes two series of employment estimates.

The monthly Labour Force Survey collects data by interview from a sample of about 31,000 private and non-private dwellings, using trained interviewers. Self-employed persons are included in the Labour Force Survey. The estimates are published in *The Labour Force, Australia, Preliminary* (6202.0) and *The Labour Force, Australia* (6203.0).

The Survey of Employment and Earnings is a quarterly sample survey of approximately 15,000 private and 2,500 public employer units, selected from the ABS register of businesses and conducted by mail. This publication contains estimates from the Survey of Employment and Earnings.

There are conceptual and methodological reasons for differences in the estimates produced by the two surveys. These are discussed in paragraphs 19-22 of Appendix 1 and in an *Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0). The two series should be seen as complementary and movements in them have generally been broadly consistent. In recent time periods the two surveys have shown some divergence in the estimates produced.

The ABS considers that the Labour Force series provides the better indicator of overall employment movements at the Australian and State level. The aggregate employment estimates in the quarterly National Accounts are based on that source.

The Survey of Employment and Earnings provides detailed estimates of employment at the State and industry level, with a dissection between public and private sector employment.

### Coverage adjustment

As a consequence of changes being made to the ABS's register of businesses, the employment estimates in this

issue of Employed Wage and Salary Earners have been adjusted upwards by 74,800 at the total Australia level. The reason for this adjustment is explained in paragraph 13 of Appendix 1 - Explanatory Notes.

### Private and public sectors

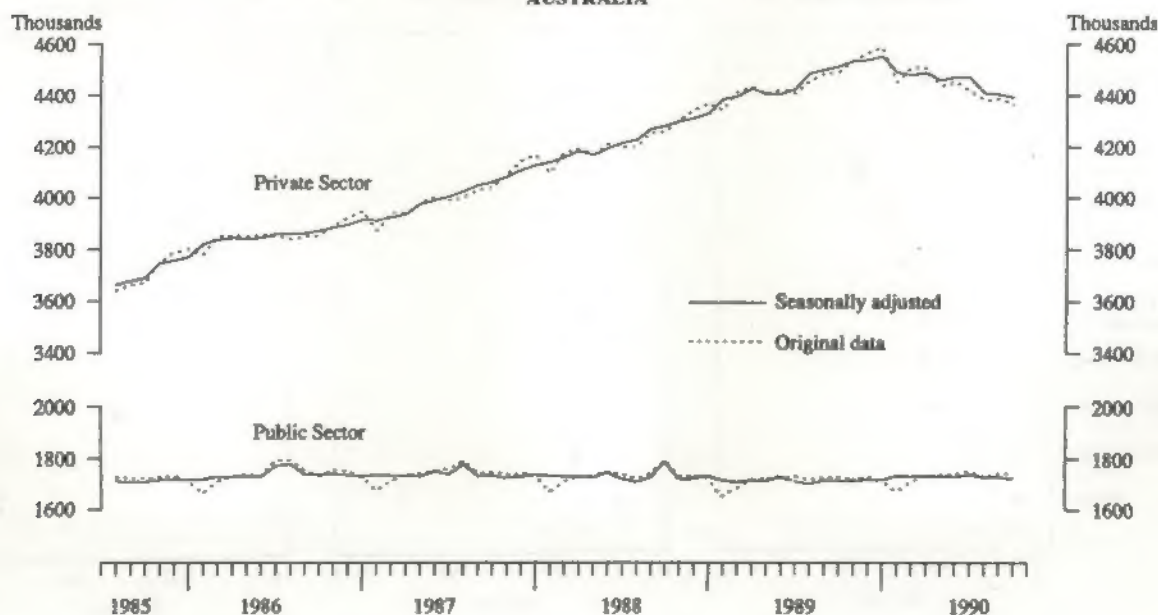
Diagram 1 below shows the number of wage and salary earners (employees) in both original and seasonally adjusted terms. (The following analysis is presented in seasonally adjusted terms.) Since June 1990, the number of private sector employees decreased by 79,800 (1.8%) to 4,394,800. In the twelve months to September 1990, the number of private sector employees decreased by 118,400 (2.6%). In the last five years it can be seen that growth has been concentrated in the private sector. Since September 1985, the estimated number of employees has increased by 702,400 (19.0%), which represents an average annual increase of 3.5 per cent.

Diagram 1 also shows a markedly different pattern for employment in the public sector. Since June 1990, the number of public sector employees has decreased by 12,400 (0.7%) to 1,725,600 in September 1990. Commonwealth Government employment has decreased by 0.4 per cent, while that for State Government has decreased by 0.9 per cent between June 1990 and September 1990. An increase of 13,500 (0.8%) has occurred in the last year to September 1990. In the five years to September 1990, the number of public sector employees increased by 16,900 (1.0%), which is an average annual increase over this period of 0.2 per cent.

The proportion of wage and salary earners employed in the private sector has increased, from 68.4 per cent in September 1985, to 72.5 per cent in September 1989 and has decreased slightly to 71.8 per cent in the twelve months to September 1990.

Diagram 1 also shows the effects of a number of occurrences that have caused public sector employee estimates to either increase or decrease. In summary, these occurrences are: the cessation and later re-employment of temporary staff of the Community services industry at the

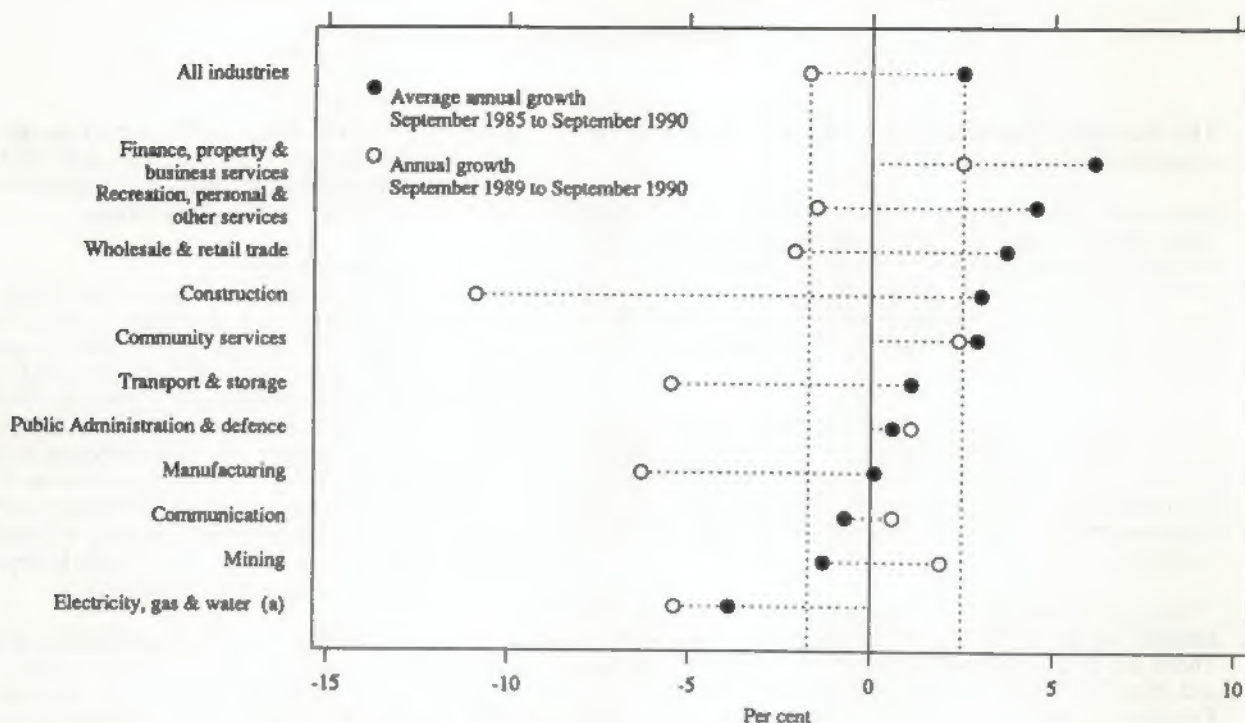
DIAGRAM 1. EMPLOYED WAGE AND SALARY EARNERS, SECTORS  
AUSTRALIA



Source: see Tables 1 & 2.



**DIAGRAM 2: EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED:  
AVERAGE ANNUAL EMPLOYEE GROWTH BY INDUSTRY, AUSTRALIA**



(a) Not seasonally adjusted.  
Source: see Table 11.

end of the school year (December and January each year) and the employment of temporary staff to conduct the 1986 Census of Population and Housing (June and July 1986), the July 1987 Federal Election and the September 1988 Referendum. Further details of these occurrences are provided in previous editions of this publication.

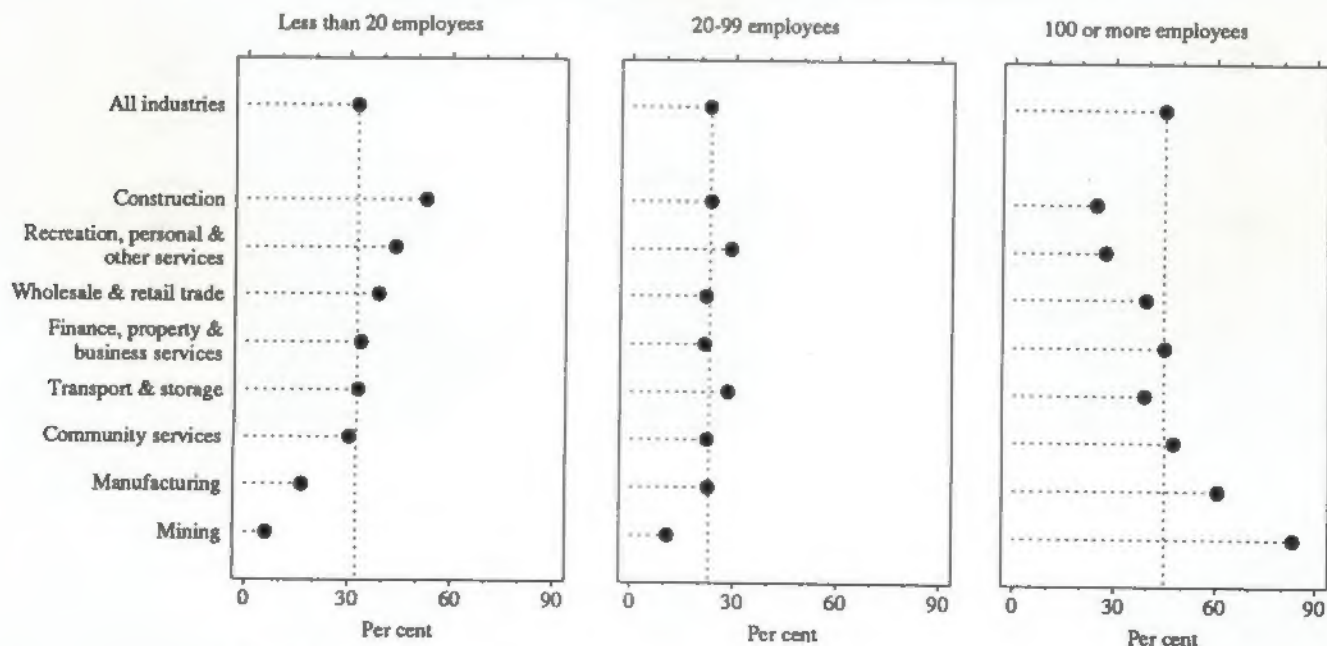
#### Industries

Diagram 2 shows changes in the number of employed wage and salary earners for the last twelve months and over the five years to September 1990, classified by ASIC division. Changes over the last three months are also discussed in the text. The data are presented in seasonally adjusted terms unless otherwise stated.

The Finance, property and business services industry shows a decrease in the number of employees of 23,600 (2.9%) since June 1990, to 801,300 employees in September 1990. Employee growth has occurred in the last twelve months with an increase of 19,900 (2.5%). The industry has shown strong employee growth over the last five years since September 1985, with an increase of 204,000 (34.2%) This is an average annual increase of 6.1 per cent.

The Recreation, personal and other services industry also shows a decrease in the number of employees of 4,700 (1.0%) since June 1990, to 470,400 employees in September 1990. In the twelve months to September 1990, the number of employees has decreased by 7,200 (1.5%). In

**DIAGRAM 3. EMPLOYED WAGE AND SALARY EARNERS: PRIVATE SECTOR,  
PROPORTION OF EMPLOYEES BY EMPLOYER UNIT SIZE, AUGUST 1990**



Source: see Table 20.



the five years since September 1985, employee growth has occurred with an increase of 93,900 (24.9%) employees. This is an average annual increase of 4.5 per cent.

The Wholesale and retail trade industry shows a decrease in the number of employees of 7,800 (0.6%) since June 1990, to 1,264,000 in September 1990. In the last year, to September 1990, a decrease in the number of employees of 26,700 (2.1%) has also occurred. Over the five years since September 1985, there has been an increase in the number of employees of 210,700 (20.0%). This is an average annual increase of 3.7 per cent.

The Construction industry shows a decrease in the number of employees of 9,900 (3.3%) since June 1990, to 293,400 in September 1990. In the last year, to September 1990, the number of employees has decreased by 35,800 (10.9%). Employee growth has occurred over the last five years since September 1985 with an increase in the number of employees of 40,300 (15.9%). This is an average annual increase of 3.0 per cent.

The Electricity, gas and water industry does not exhibit any significant seasonality and is presented only in original terms. It shows a decrease of 6,500 employees (5.4%) over the last year, with estimated employment falling to 113,700 in September 1990. In the last five years a decrease of 25,300 employees (18.2%) has occurred, which is an average annual decrease of 3.9 per cent.

#### Employer unit size

Estimates are given (Table 20) of private sector employees in employer units of various sizes. Diagram 3 shows the concentration of private sector employees in employer units in three size ranges, by industry.

#### Male and female wage and salary earners

Estimates of male and female wage and salary earners relate to the middle month of each quarter and are presented only in original terms. For the year to August 1990, the number of female employees has decreased by 0.04 per cent while the number of male employees has decreased by 2.1 per cent.

Diagram 4 shows the number of female wage and salary earners as a proportion of total wage and salary earners. This proportion has grown steadily from 41.4 per cent in August 1985 to 44.6 per cent in August 1990. Note that the seasonal fall, between November and February each year, is principally due to the decrease in the number of

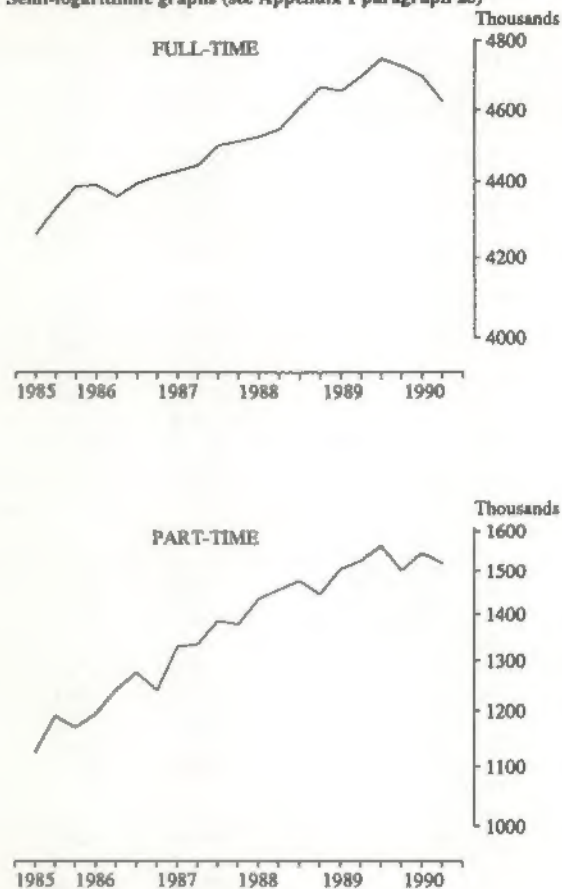
DIAGRAM 4. FEMALE WAGE AND SALARY EARNERS AS A PERCENTAGE OF TOTAL, AUSTRALIA



Source: see Table 4.

DIAGRAM 5. EMPLOYED WAGE AND SALARY EARNERS, PERSONS, AUSTRALIA

Semi-logarithmic graphs (see Appendix 1 paragraph 25)



Source: see Table 9.

part-time female employees in the education component of the Community services industry.

#### Full-time and part-time wage and salary earners

Estimates of full-time and part-time wage and salary earners also relate to the middle month of each quarter and are presented only in original terms. In August 1990 there were an estimated 4,621,000 full-time and 1,513,600 part-time employees in Australia - a decrease of 74,300 (1.6%) full-time and a decrease of 24,000 (1.6%) part-time employees since May 1990. In the twelve months to August 1990 the number of part-time employees have decreased by 7,200 (0.5%), compared with a decrease in the number of full-time employees of 67,300 (1.4%).

Diagram 5 shows the growth in the number of full-time and part-time employees over the last five years. The rate of growth for part-time employees (34.4%) has been much greater than that for full-time employees (8.5%). Average annual growth rates have been 6.1 per cent part-time and 1.6 per cent full-time.

#### Earnings

Total earnings for employed wage and salary earners in the September quarter 1990 in original terms are estimated as \$39,475.1m. This is an increase of \$2,462.4m (6.7%) over the same period in the previous year and an increase of \$14,998.2m (61.3%) over September quarter 1985, (an average annual increase of 10.0 per cent).



TABLE 1. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES, PERSONS  
('000)

Month	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1986—September	1,357.2	1,111.2	543.8	310.6	353.9	93.2	35.0	46.4	3,851.3
1987—September	1,432.7	1,166.5	564.0	329.9	364.9	97.6	33.0	51.2	4,039.8
1988—September	1,518.9	1,226.8	636.9	335.7	353.9	97.9	36.5	54.0	4,260.6
1989—									
August	1,586.4	1,278.1	694.7	362.2	362.9	103.0	38.3	55.8	4,481.4
September	1,593.8	1,276.3	694.0	363.1	361.7	102.3	38.2	56.4	4,485.8
October	1,615.5	1,272.2	706.8	364.4	378.7	102.2	41.0	56.2	4,537.0
November	1,628.4	1,278.0	714.3	368.4	380.8	103.3	40.2	56.1	4,569.6
December	1,638.7	1,282.9	715.2	372.1	382.6	105.0	39.2	56.3	4,591.9
1990—									
January	1,590.2	1,246.1	688.0	367.4	367.0	104.3	37.2	53.3	4,453.5
February	1,610.4	1,261.2	697.7	371.3	371.9	104.8	38.7	54.6	4,510.5
March	1,612.9	1,258.8	695.6	373.5	368.9	104.7	39.0	54.5	4,507.8
April	r 1,603.3	1,252.3	684.2	367.4	362.3	105.0	39.7	54.6	r 4,468.8
May	r 1,610.3	1,258.6	690.4	366.6	361.7	104.9	40.5	53.7	r 4,486.8
June	r 1,599.6	1,246.9	685.8	363.1	358.6	102.9	40.2	53.1	r 4,450.3
July	1,579.0	1,249.0	647.1	360.7	355.9	97.4	40.1	55.7	4,384.8
August	1,581.4	1,246.1	652.7	362.9	354.0	96.9	40.4	56.5	4,390.9
September	1,578.9	1,232.2	649.2	362.5	352.4	96.4	40.8	55.6	4,367.9
PUBLIC									
1986—September	573.2	456.4	261.6	151.7	159.7	53.8	22.0	72.7	1,750.9
1987—September	576.3	456.8	255.4	153.4	158.1	53.7	21.6	71.1	1,746.4
1988—September	596.9	474.8	258.0	156.7	165.7	54.4	21.4	71.4	1,799.3
1989—									
August	560.7	456.0	256.2	149.9	159.5	53.5	22.1	69.8	1,727.7
September	561.5	456.3	252.2	150.6	161.5	53.2	22.2	70.0	1,727.5
October	554.1	453.0	257.9	150.7	159.6	53.6	22.3	69.9	1,721.1
November	559.1	454.0	258.8	151.0	162.8	54.1	22.5	69.9	1,732.2
December	550.8	452.8	257.0	150.5	157.4	54.7	22.3	69.8	1,715.2
1990—									
January	543.1	441.6	249.5	143.7	154.1	50.4	22.1	68.6	1,673.1
February	553.4	448.2	258.5	149.7	158.4	50.1	22.0	69.6	1,709.8
March	562.5	452.6	261.8	151.9	161.6	52.3	22.3	71.1	1,736.0
April	r 562.3	452.8	262.5	152.2	165.6	51.9	22.6	71.2	r 1,741.1
May	r 564.3	455.8	264.9	152.9	161.8	52.3	22.6	71.5	r 1,746.1
June	r 565.5	458.0	265.6	153.7	165.3	52.0	22.8	72.5	r 1,755.2
July	555.6	453.0	262.2	152.0	159.3	51.1	22.4	71.3	1,726.9
August	562.5	455.4	263.0	153.2	163.8	52.2	22.2	71.4	1,743.8
September	563.4	456.4	260.4	154.2	164.2	48.2	22.5	71.7	1,741.1
PRIVATE AND PUBLIC									
1986—September	1,930.4	1,567.5	805.5	462.2	513.5	147.0	57.0	119.1	5,602.3
1987—September	2,009.0	1,623.3	819.3	483.3	523.0	151.3	54.7	122.3	5,786.2
1988—September	2,115.8	1,701.6	894.9	492.4	519.5	152.3	57.9	125.4	6,059.9
1989—									
August	2,147.1	1,734.2	950.9	512.1	522.4	156.4	60.4	125.6	6,209.1
September	2,155.3	1,732.6	946.2	513.7	523.1	155.5	60.4	126.4	6,213.2
October	2,169.7	1,725.1	964.7	515.1	538.3	155.8	63.3	126.2	6,258.1
November	2,187.5	1,732.0	973.2	519.5	543.6	157.4	62.6	126.0	6,301.8
December	2,189.5	1,735.7	972.2	522.6	540.0	159.7	61.5	126.0	6,307.2
1990—									
January	2,133.3	1,687.7	937.5	511.1	521.1	154.7	59.3	122.0	6,126.7
February	2,163.7	1,709.3	956.2	521.0	530.3	154.9	60.7	124.2	6,220.4
March	2,175.4	1,711.4	957.4	525.3	530.5	157.0	61.3	125.6	6,243.9
April	r 2,165.7	1,705.2	946.8	519.5	527.9	156.9	62.3	125.8	r 6,210.0
May	r 2,174.6	1,714.4	955.3	519.6	523.5	157.3	63.0	125.2	r 6,232.9
June	r 2,165.0	1,704.9	951.4	516.8	523.9	154.9	63.0	125.6	r 6,205.5
July	2,134.5	1,702.0	909.3	512.7	515.2	148.5	62.5	127.0	6,111.7
August	2,144.0	1,701.5	915.7	516.1	517.8	149.0	62.6	127.9	6,134.6
September	2,142.2	1,688.6	909.6	516.7	516.6	144.6	63.3	127.3	6,108.9

TABLE 2. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, STATES AND TERRITORIES, PERSONS ('000)

Month	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1986—September	1,370.4	1,115.4	545.4	311.6	356.7	94.7	34.3	47.0	3,875.5
1987—September	1,447.1	1,170.4	565.6	330.8	368.0	99.0	32.2	51.7	4,064.8
1988—September	1,534.6	1,230.3	638.9	336.7	357.1	99.2	35.5	54.3	4,286.6
1989—									
August	1,600.0	1,278.4	695.6	362.7	365.0	103.9	37.2	55.7	4,498.6
September	1,610.4	1,279.8	696.3	364.2	365.1	103.6	37.1	56.7	4,513.2
October	1,613.6	1,274.4	702.2	367.1	378.2	103.5	39.9	55.8	4,534.7
November	1,615.3	1,270.6	707.8	368.5	378.2	102.9	40.6	54.8	4,538.7
December	1,619.0	1,269.1	714.8	373.2	377.5	103.0	40.5	55.4	4,552.6
1990—									
January	1,596.5	1,260.9	696.4	369.6	370.5	104.7	39.3	55.1	4,492.9
February	1,595.3	1,255.3	697.7	368.5	369.3	103.8	40.1	54.2	4,484.2
March	1,605.5	1,251.6	697.1	370.9	365.7	102.9	40.5	54.5	4,488.8
April	r 1,600.3	1,251.6	683.7	366.0	362.6	104.8	39.8	55.0	r 4,463.9
May	r 1,609.0	1,256.2	684.6	364.3	361.5	104.8	39.5	53.5	r 4,473.5
June	r 1,612.5	1,258.9	684.2	363.5	359.4	103.7	38.6	54.0	r 4,474.6
July	1,590.9	1,253.9	653.0	361.4	359.4	98.2	39.2	55.7	4,411.7
August	1,595.0	1,246.2	653.5	363.5	356.1	97.6	39.2	56.4	4,407.5
September	1,595.4	1,235.4	651.4	363.5	355.9	97.7	39.6	55.9	4,394.8
PUBLIC									
1986—September	568.8	453.0	260.4	151.2	158.9	53.1	22.1	72.8	1,739.7
1987—September	569.1	453.3	254.3	152.5	156.8	53.0	21.7	71.2	1,731.8
1988—September	589.8	471.2	257.2	155.7	164.2	53.8	21.4	71.4	1,784.4
1989—									
August	556.4	451.1	255.3	148.6	158.5	52.8	22.3	69.9	1,714.2
September	554.3	452.6	251.4	149.4	159.8	52.6	22.2	70.0	1,712.1
October	551.6	449.7	257.8	149.4	159.1	53.1	22.3	70.1	1,712.8
November	552.8	452.2	258.6	149.7	162.0	53.7	22.4	69.9	1,720.9
December	552.1	452.9	259.3	149.5	158.4	54.0	22.2	70.0	1,718.4
1990—									
January	565.2	455.0	256.9	151.2	161.0	52.6	22.3	69.9	1,734.2
February	559.4	453.6	260.8	151.9	160.7	52.5	22.4	70.1	1,731.4
March	561.5	453.5	260.9	151.6	160.5	53.0	22.2	70.9	1,734.2
April	r 559.7	453.0	260.6	151.5	164.3	51.6	22.6	70.9	r 1,734.2
May	r 557.5	453.6	261.8	152.8	160.0	51.5	22.6	70.8	r 1,730.5
June	r 559.4	456.1	262.3	152.6	162.3	51.5	22.5	71.5	r 1,738.0
July	563.6	450.8	261.5	151.0	160.1	50.4	22.2	71.3	1,731.9
August	558.3	450.5	262.0	151.8	162.8	51.5	22.4	71.5	1,730.1
September	556.3	452.6	259.6	152.9	162.5	47.7	22.5	71.7	1,725.6
PRIVATE AND PUBLIC									
1986—September	1,939.2	1,568.4	805.9	462.7	515.5	147.8	56.5	119.8	5,615.2
1987—September	2,016.2	1,623.6	819.8	483.4	524.9	152.0	53.9	122.8	5,796.6
1988—September	2,124.3	1,701.5	896.1	492.4	521.3	153.0	57.0	125.7	6,071.0
1989—									
August	2,156.4	1,729.6	950.9	511.3	523.5	156.6	59.5	125.6	6,212.8
September	2,164.7	1,732.4	947.7	513.6	525.0	156.3	59.3	126.7	6,225.4
October	2,165.2	1,724.1	960.0	516.5	537.3	156.5	62.1	125.9	6,247.5
November	2,168.1	1,722.7	966.4	518.1	540.2	156.6	63.1	124.8	6,259.6
December	2,171.1	1,721.9	974.1	522.7	535.9	157.0	62.8	125.4	6,270.9
1990—									
January	2,161.7	1,716.0	953.3	520.8	531.5	157.3	61.5	125.0	6,227.1
February	2,154.6	1,708.9	958.5	520.3	530.1	156.3	62.5	124.4	6,215.6
March	2,167.0	1,705.1	958.0	522.5	526.2	155.9	62.7	125.3	6,223.0
April	r 2,160.0	1,704.7	944.3	517.5	526.9	156.5	62.4	125.8	r 6,198.1
May	r 2,166.5	1,709.8	946.4	517.1	521.5	156.3	62.1	124.3	r 6,204.0
June	r 2,171.9	1,714.9	946.5	516.0	521.7	155.2	61.1	125.5	r 6,212.6
July	2,154.4	1,704.8	914.5	512.4	519.5	148.6	61.4	126.9	6,143.6
August	2,153.3	1,696.6	915.6	515.3	518.9	149.1	61.6	127.9	6,137.7
September	2,151.6	1,688.0	911.1	516.4	518.4	145.4	62.1	127.6	6,120.3

TABLE 3. GROSS EARNINGS, STATES AND TERRITORIES, SECTORS  
(\$m)

Quarter	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1986-87	26,896.8	21,053.5	9,490.0	5,488.3	6,646.3	1,687.9	632.9	824.0	72,719.6
1987-88	31,149.5	23,957.9	10,549.8	6,080.3	7,309.7	1,751.3	624.8	957.5	82,380.7
1988-89	34,980.6	27,232.4	13,031.4	6,732.8	7,795.8	1,880.8	725.7	1,063.8	93,443.2
1989-90	39,186.5	30,297.9	14,929.9	7,608.8	8,588.2	2,181.5	870.0	1,156.9	104,819.6
1988—									
March	7,707.1	5,796.5	2,563.1	1,481.8	1,770.9	411.0	149.3	230.4	20,110.1
June	8,148.8	6,196.5	2,760.8	1,607.5	1,877.6	448.3	156.0	244.0	21,439.6
September	8,291.8	6,429.9	2,974.7	1,598.8	1,867.2	442.1	181.0	257.9	22,043.4
December	8,934.6	7,081.1	3,234.4	1,682.2	1,978.6	481.3	177.5	273.6	23,843.3
1989—									
March	8,702.2	6,677.3	3,282.5	1,634.4	1,902.0	466.3	173.8	252.8	23,091.1
June	9,052.0	7,044.0	3,539.8	1,817.5	2,048.1	491.1	193.5	279.5	24,465.5
September	9,343.5	7,369.7	3,620.3	1,833.7	2,027.6	510.3	212.3	284.3	25,201.7
December	10,087.9	7,822.5	3,920.8	1,958.9	2,274.5	549.8	228.2	300.6	27,143.3
1990—									
March	9,574.3	7,173.5	3,563.6	1,847.2	2,122.0	555.6	208.3	278.3	25,322.7
June	10,238.3	7,932.2	3,825.1	1,969.0	2,164.1	565.8	221.2	293.7	27,209.5
September	10,099.4	7,860.3	3,655.6	1,942.9	2,118.5	527.8	241.1	304.1	26,749.7
PUBLIC									
1986-87	13,415.4	10,565.5	5,702.4	3,423.2	3,509.9	1,169.6	584.2	1,914.0	40,284.2
1987-88	14,142.2	11,296.9	5,839.2	3,629.2	3,748.7	1,233.4	597.5	1,989.7	42,476.9
1988-89	15,064.6	11,900.7	6,429.6	3,845.7	4,031.6	1,309.7	629.9	2,152.6	45,364.5
1989-90	15,718.0	12,677.6	6,767.5	4,113.3	4,363.4	1,387.5	666.4	2,191.3	47,885.0
1988—									
March	3,553.9	2,724.5	1,431.0	915.0	926.3	301.9	150.0	513.7	10,516.1
June	3,563.9	2,910.9	1,488.3	916.0	942.4	302.4	141.7	480.1	10,745.8
September	3,768.9	2,937.6	1,564.8	943.1	1,013.3	325.8	161.8	555.3	11,270.5
December	3,816.4	2,985.6	1,678.9	959.9	1,003.1	341.5	155.7	512.2	11,453.3
1989—									
March	3,757.2	2,930.2	1,523.9	965.7	1,029.1	319.8	157.9	570.3	11,254.1
June	3,722.1	3,047.3	1,662.0	977.1	986.1	322.6	154.6	514.8	11,386.6
September	3,907.1	3,059.7	1,648.7	1,004.7	1,098.3	350.0	176.7	565.7	11,811.0
December	3,841.8	3,240.8	1,708.6	1,012.9	1,073.5	357.1	163.4	515.4	11,913.6
1990—									
March	4,027.3	3,113.0	1,645.0	1,041.3	1,120.7	350.1	170.0	573.5	12,041.0
June	3,941.7	3,264.0	1,765.2	1,054.4	1,070.9	330.3	156.3	536.6	12,119.4
September	4,161.4	3,309.1	1,741.3	1,135.7	1,204.1	353.1	189.1	631.6	12,725.4
PRIVATE AND PUBLIC									
1986-87	40,312.1	31,618.9	15,192.4	8,911.4	10,156.2	2,857.5	1,217.2	2,737.9	113,003.8
1987-88	45,291.7	35,254.8	16,389.0	9,709.4	11,058.4	2,984.7	1,222.3	2,947.2	124,857.6
1988-89	50,045.2	39,133.1	19,461.0	10,578.5	11,827.3	3,190.6	1,355.6	3,216.4	138,807.7
1989-90	54,904.5	42,975.5	21,697.4	11,722.1	12,951.7	3,569.0	1,536.4	3,348.1	152,704.6
1988—									
March	11,260.9	8,521.0	3,994.1	2,396.8	2,697.2	712.9	299.3	744.0	30,626.3
June	11,712.7	9,107.4	4,249.2	2,523.5	2,820.0	750.7	297.8	724.1	32,185.4
September	12,060.7	9,367.6	4,539.5	2,541.9	2,880.4	767.9	342.7	813.2	33,313.9
December	12,751.0	10,066.7	4,913.4	2,642.1	2,981.7	822.8	333.1	785.8	35,296.6
1989—									
March	12,459.4	9,607.5	4,806.4	2,600.0	2,931.1	786.1	331.7	823.0	34,345.2
June	12,774.1	10,091.3	5,201.8	2,794.6	3,034.1	813.7	348.1	794.3	35,852.0
September	13,250.6	10,429.4	5,268.9	2,838.4	3,125.9	860.4	389.0	850.0	37,012.7
December	13,929.8	11,063.3	5,629.5	2,971.8	3,348.1	906.8	391.6	816.1	39,056.9
1990—									
March	13,601.6	10,286.5	5,208.6	2,888.5	3,242.7	905.7	378.3	851.8	37,363.7
June	14,180.0	11,196.2	5,590.4	3,023.3	3,235.0	896.1	377.5	830.3	39,328.9
September	14,260.8	11,169.4	5,396.9	3,078.6	3,322.6	880.9	430.2	935.7	39,475.1



TABLE 4. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES

State, Territory/Sector	Number of employees ('000)					Gross earnings		
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
New South Wales	2,155.3	r 2,165.0	2,134.5	1,190.0	953.9	2,144.0	2,142.2	14,260.8
Private	1,593.8	r 1,599.6	1,579.0	875.1	706.4	1,581.4	1,578.9	10,099.4
Public	561.5	r 565.5	555.6	315.0	247.6	562.5	563.4	4,161.4
Commonwealth	133.3	137.9	135.3	84.6	51.5	136.2	137.0	1,081.7
State	368.4	r 367.4	359.8	183.4	182.5	365.9	365.8	2,644.3
Local	59.8	60.1	60.5	46.9	13.6	60.5	60.6	435.4
Victoria	1,732.6	1,704.9	1,702.0	941.6	759.9	1,701.5	1,688.6	11,169.4
Private	1,276.3	1,246.9	1,249.0	699.4	546.7	1,246.1	1,232.2	7,860.3
Public	456.3	458.0	453.0	242.2	213.2	455.4	456.4	3,309.1
Commonwealth	93.4	93.0	92.1	59.6	32.7	92.3	92.2	743.2
State	317.3	318.4	315.6	159.1	158.1	317.1	318.3	2,313.7
Local	45.7	46.6	45.3	23.5	22.5	46.0	45.9	252.2
Queensland	946.2	951.4	909.3	519.2	396.5	915.7	909.6	5,396.9
Private	694.0	685.8	647.1	363.0	289.7	652.7	649.2	3,655.6
Public	252.2	265.6	262.2	156.2	106.8	263.0	260.4	1,741.3
Commonwealth	48.9	51.2	50.0	31.1	19.0	50.1	50.3	379.2
State	175.3	185.1	183.2	101.1	82.7	183.8	181.1	1,176.6
Local	28.0	29.3	28.9	24.0	5.2	29.1	29.0	185.5
South Australia	513.7	516.8	512.7	281.2	234.9	516.1	516.7	3,078.6
Private	363.1	363.1	360.7	197.1	165.8	362.9	362.5	1,942.9
Public	150.6	153.7	152.0	84.1	69.1	153.2	154.2	1,135.7
Commonwealth	32.6	32.4	31.4	22.1	9.3	31.4	31.4	266.4
State	109.7	112.7	112.0	56.1	57.2	113.2	114.2	816.0
Local	8.2	8.6	8.6	6.0	2.6	8.6	8.6	53.3
Western Australia	523.1	523.9	515.2	283.4	234.4	517.8	516.6	3,322.6
Private	361.7	358.6	355.9	196.6	157.4	354.0	352.4	2,118.5
Public	161.5	165.3	159.3	86.8	77.0	163.8	164.2	1,204.1
Commonwealth	25.2	25.7	25.1	15.2	9.9	25.1	25.1	186.4
State	125.7	128.6	123.3	64.3	63.5	127.8	128.4	954.5
Local	10.5	10.9	10.9	7.3	3.6	10.9	10.8	63.2
Tasmania	155.5	154.9	148.5	84.6	64.4	149.0	144.6	880.9
Private	102.3	102.9	97.4	55.8	41.0	96.9	96.4	527.8
Public	53.2	52.0	51.1	28.8	23.4	52.2	48.2	353.1
Commonwealth	9.2	9.6	9.4	6.3	3.1	9.5	9.4	73.9
State	40.2	38.3	37.8	19.5	19.3	38.8	34.9	254.8
Local	3.7	4.0	3.9	3.0	1.0	3.9	3.9	24.4
Northern Territory	60.4	63.0	62.5	34.9	27.7	62.6	63.3	430.2
Private	38.2	40.2	40.1	23.5	16.8	40.4	40.8	241.1
Public	22.2	22.8	22.4	11.3	10.9	22.2	22.5	189.1
Commonwealth	4.3	4.6	4.5	2.7	1.8	4.5	4.5	37.9
State	16.7	17.1	16.8	7.9	8.7	16.6	16.9	144.8
Local	1.2	1.1	1.2	0.7	0.4	1.2	1.1	6.4
Australian Capital Territory	126.4	125.6	127.0	66.6	61.3	127.9	127.3	935.7
Private	56.4	53.1	55.7	28.0	28.4	56.5	55.6	304.1
Public	70.0	72.5	71.3	38.5	32.9	71.4	71.7	631.6
Commonwealth(a)	50.4	52.8	51.7	29.8	22.0	51.8	52.0	474.0
State(a)	19.6	19.7	19.6	8.8	10.9	19.7	19.7	157.6
Australia	6,213.2	r 6,205.5	6,111.7	3,401.6	2,733.1	6,134.6	6,108.9	39,475.1
Private	4,485.8	r 4,450.3	4,384.8	2,438.7	1,952.2	4,390.9	4,367.9	26,749.7
Public	1,727.5	r 1,755.2	1,726.9	962.9	780.9	1,743.8	1,741.1	12,725.4
Commonwealth(a)	397.3	407.3	399.5	251.4	149.3	400.7	401.8	3,242.8
State(a)	1,173.0	r 1,187.3	1,168.1	600.1	582.8	1,182.9	1,179.2	8,462.3
Local	157.2	160.6	159.3	111.4	48.8	160.2	160.1	1,020.3

(a) In the September quarter 1989 these statistics were affected by responsibility for employment and earnings changing from the Commonwealth to the ACT administration.

TABLE 5. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, STATES AND TERRITORIES, PERSONS

State, Territory/Sector	Number of employees ( <sup>'000</sup> )				
	September 1989	June 1990	July 1990	August 1990	September 1990
New South Wales	2,164.7	r 2,171.9	2,154.4	2,153.3	2,151.6
Private	1,610.4	r 1,612.5	1,590.9	1,595.0	1,595.4
Public	554.3	r 559.4	563.6	558.3	556.3
Commonwealth	134.0	137.2	135.5	136.9	137.8
State	360.4	r 362.1	367.4	360.9	357.8
Local	59.9	60.1	60.6	60.4	60.7
Victoria	1,732.4	1,714.9	1,704.8	1,696.6	1,688.0
Private	1,279.8	1,258.9	1,253.9	1,246.2	1,235.4
Public	452.6	456.1	450.8	450.5	452.6
Commonwealth	93.7	92.8	92.2	92.4	92.4
State	313.6	317.0	313.1	312.6	314.6
Local	45.3	46.3	45.5	45.5	45.6
Queensland	947.7	946.5	914.5	915.6	911.1
Private	696.3	684.2	653.0	653.5	651.4
Public	251.4	262.3	261.5	262.0	259.6
Commonwealth	49.1	50.8	49.9	50.3	50.5
State	174.3	182.5	182.7	182.7	180.1
Local	28.0	29.0	28.9	29.1	29.0
South Australia	513.6	516.0	512.4	515.3	516.4
Private	364.2	363.5	361.4	363.5	363.5
Public	149.4	152.6	151.0	151.8	152.9
Commonwealth	32.7	32.4	31.3	31.4	31.5
State	108.4	111.7	110.9	111.7	112.7
Local	8.3	8.5	8.7	8.7	8.7
Western Australia	525.0	521.7	519.5	518.9	518.4
Private	365.1	359.4	359.4	356.1	355.9
Public	159.8	162.3	160.1	162.8	162.5
Commonwealth	25.3	25.5	25.1	25.2	25.2
State	124.0	125.8	124.1	126.6	126.5
Local	10.5	11.0	10.9	10.9	10.8
Tasmania	156.3	155.2	148.6	149.1	145.4
Private	103.6	103.7	98.2	97.6	97.7
Public	52.6	51.5	50.4	51.5	47.7
State	39.6	37.6	37.8	38.1	34.3
Northern Territory	59.3	61.1	61.4	61.6	62.1
Private	37.1	38.6	39.2	39.2	39.6
Public	22.2	22.5	22.2	22.4	22.5
Australian Capital Territory	126.7	125.5	126.9	127.9	127.6
Private	56.7	54.0	55.7	56.4	55.9
Public	70.0	71.5	71.3	71.5	71.7
Australia	6,225.4	r 6,212.6	6,143.6	6,137.7	6,120.3
Private	4,513.2	r 4,474.6	4,411.7	4,407.5	4,394.8
Public	1,712.1	r 1,738.0	1,731.9	1,730.1	1,725.6
Commonwealth(a)	398.5	404.6	400.1	401.5	402.9
State(s)	1,156.6	r 1,173.5	1,172.3	1,168.9	1,162.7
Local	157.1	159.9	159.5	159.8	160.0

(a) In the September quarter 1989 these statistics were affected by responsibility for employment and earnings changing from the Commonwealth to the ACT administration.

TABLE 6. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES, PUBLIC INSTITUTIONAL SECTOR

State, Territory/Sector	Public Trading Enterprises		Financial Enterprises		General Government Enterprises		Total Public	
	August 1990	September Quarter 1990	August 1990	September Quarter 1990	August 1990	September Quarter 1990	August 1990	September Quarter 1990
	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)
New South Wales								
Total Public	139.1	1,150.4	31.1	205.8	392.3	2,805.2	562.5	4,161.4
Commonwealth	64.0	541.3	19.7	120.8	52.5	419.6	136.2	1,081.7
State	60.0	488.4	11.5	85.0	294.5	2,070.9	365.9	2,644.3
Local	15.1	120.7	—	—	45.3	314.7	60.5	435.4
Victoria								
Total Public	115.6	966.5	19.9	124.6	319.9	2,217.9	455.4	3,309.1
Commonwealth	48.6	405.6	6.8	37.4	36.9	300.1	92.3	743.2
State	65.5	548.8	13.1	87.2	238.5	1,677.7	317.1	2,313.7
Local	1.5	12.1	—	—	44.5	240.1	46.0	252.2
Queensland								
Total Public	44.8	335.7	8.3	47.1	210.0	1,358.6	263.0	1,741.3
Commonwealth	23.5	178.8	6.1	29.4	20.5	171.0	50.1	379.2
State	15.7	117.7	2.2	17.6	165.9	1,041.4	183.8	1,176.6
Local	5.6	39.2	—	—	23.5	146.3	29.1	185.5
South Australia								
Total Public	29.5	239.6	7.5	51.5	116.2	844.6	153.2	1,135.7
Commonwealth	15.3	129.8	2.3	13.0	13.7	123.6	31.4	266.4
State	14.1	109.1	5.2	38.5	94.0	668.4	113.2	816.0
Local	0.1	0.7	—	—	8.5	52.6	8.6	53.3
Western Australia								
Total Public	32.1	257.0	8.1	45.7	123.6	901.4	163.8	1,204.1
Commonwealth	11.4	88.6	2.9	15.6	10.7	82.2	25.1	186.4
State	20.7	168.4	5.1	30.1	101.9	756.0	127.8	954.5
Local	—	—	—	—	10.9	63.2	10.9	63.2
Tasmania								
Total Public	9.1	72.4	1.4	7.6	41.7	273.1	52.2	353.1
Commonwealth	3.9	32.4	0.7	2.8	4.9	38.7	9.5	73.9
State	4.8	37.5	0.7	4.8	33.2	212.5	38.8	254.8
Local	0.4	2.5	—	—	3.6	21.9	3.9	24.4
Northern Territory								
Total Public	2.7	22.6	0.4	3.4	19.1	163.1	22.2	189.1
Commonwealth	1.4	11.3	0.2	1.7	2.8	24.8	4.5	37.9
State	1.2	11.3	0.2	1.7	15.2	131.9	16.6	144.8
Local	—	—	—	—	1.2	6.4	1.2	6.4
Australian Capital Territory								
Total Public	3.8	30.6	1.0	6.2	66.7	594.8	71.4	631.6
Commonwealth	2.3	17.5	0.8	4.8	48.7	451.7	51.8	474.0
State	1.5	13.1	0.2	1.4	18.0	143.1	19.7	157.6
Australia								
Total Public	376.6	3,074.8	77.7	491.8	1,289.4	9,158.7	1,743.8	12,725.4
Commonwealth	170.3	1,405.5	39.6	225.6	190.8	1,611.7	400.7	3,242.8
State	183.6	1,494.3	38.2	266.2	961.1	6,701.8	1,182.9	8,462.3
Local	22.7	175.1	—	—	137.5	845.2	160.2	1,020.3

TABLE 7. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA,  
PUBLIC INSTITUTIONAL SECTOR, AUGUST 1990  
PERSONS ('000)

<i>Industry</i>	<i>Public Trading Enterprises</i>	<i>Financial Enterprises</i>	<i>General Government Enterprises</i>	<i>Total Public</i>
Agriculture, forestry, fishing and hunting	0.1	—	7.6	7.7
Mining	5.6	—	0.4	5.9
Manufacturing	19.5	0.3	12.7	32.4
Electricity, gas and water	99.5	—	12.8	112.3
Construction	6.1	—	36.9	43.0
Wholesale and retail trade	3.3	0.1	0.9	4.3
Transport and storage	98.4	—	33.8	132.2
Communication	127.9	—	—	127.9
Finance, property and business services	4.5	76.6	34.2	115.3
Public administration and defence(a)	1.1	0.8	309.9	311.7
Community services	0.7	—	825.3	826.0
Recreation, personal and other services	10.0	—	15.0	25.0
<b>Total all industries</b>	<b>376.6</b>	<b>77.7</b>	<b>1,289.4</b>	<b>1,743.8</b>

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc.

TABLE 8. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA,  
PUBLIC INSTITUTIONAL SECTOR, SEPTEMBER QUARTER 1990  
GROSS EARNINGS (\$m)

<i>Industry</i>	<i>Public Trading Enterprises</i>	<i>Financial Enterprises</i>	<i>General Government Enterprises</i>	<i>Total Public</i>
Agriculture, forestry, fishing and hunting	0.6	—	53.8	54.4
Mining	69.5	—	2.9	72.4
Manufacturing	148.7	2.4	94.5	245.6
Electricity, gas and water	881.5	—	97.3	978.8
Construction	45.9	—	294.8	340.8
Wholesale and retail trade	24.8	0.5	4.7	30.0
Transport and storage	785.7	—	271.3	1,056.9
Communication	1,025.2	—	—	1,025.2
Finance, property and business services	34.8	481.6	232.9	749.3
Public administration and defence(a)	9.5	7.4	2,244.9	2,261.8
Community services	4.7	—	5,740.1	5,744.7
Recreation, personal and other services	43.9	—	121.6	165.5
<b>Total all industries</b>	<b>3,074.8</b>	<b>491.8</b>	<b>9,158.7</b>	<b>12,725.4</b>

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc.



TABLE 9. EMPLOYED WAGE AND SALARY EARNERS — FULL-TIME AND PART-TIME(a) — AUGUST 1990

	Number of employees ( <sup>'000</sup> )					
	Full-time			Part-time		
	Males	Females	Persons	Males	Females	Persons
AUSTRALIA BY INDUSTRY						
Mining	75.4	6.8	82.2	1.0	1.1	2.0
Manufacturing	716.4	228.4	944.8	29.0	61.4	90.4
Electricity, gas and water	98.9	11.9	110.8	1.3	2.0	3.3
Construction	238.9	32.7	271.6	8.9	15.4	24.3
Wholesale trade	254.3	98.1	352.4	18.3	34.1	52.4
Retail trade	292.6	183.5	476.1	108.0	265.7	373.7
Transport and storage	211.5	53.7	265.2	19.5	14.0	33.5
Communication	93.9	28.5	122.4	1.1	5.2	6.3
Finance, property and business services	331.9	304.1	635.9	46.3	120.0	166.3
Public administration and defence(b)	181.0	94.2	275.3	7.0	29.4	36.4
Community services	382.8	490.4	873.2	76.6	384.0	460.6
Recreation, personal and other services(c)	110.0	93.9	203.9	90.7	173.1	263.8
Total all industries(d)	2,993.7	1,627.4	4,621.0	407.9	1,105.7	1,513.6
Private	2,090.6	1,072.2	3,162.8	348.1	880.0	1,228.1
Public	903.1	555.2	1,458.3	59.8	225.7	285.5
STATES AND TERRITORIES						
New South Wales	1,037.8	575.7	1,613.4	152.2	378.3	530.5
Victoria	834.9	465.0	1,299.9	106.7	294.9	401.6
Queensland	455.8	236.6	692.4	63.5	159.9	223.4
South Australia	247.5	121.3	368.8	33.7	113.6	147.3
Western Australia	253.2	134.1	387.3	30.2	100.3	130.5
Tasmania	75.4	36.7	112.1	9.3	27.7	37.0
Northern Territory	29.6	18.1	47.8	5.3	9.6	14.8
Australian Capital Territory	59.5	39.8	99.3	7.1	21.6	28.6

(a) See Appendix 1-Explanatory Notes, paragraph 20. (b) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (c) Excludes private households employing staff. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	75.1	77.0	77.7	70.7	7.6	78.3	77.2	926.8
Manufacturing	1,061.3	1,011.0	1,006.5	718.2	284.6	1,002.8	996.4	7,106.6
Electricity, gas and water	2.8	2.3	1.7	1.2	0.5	1.7	1.7	14.2
Construction	284.4	260.4	255.4	211.9	41.1	252.9	248.4	1,860.3
Wholesale and retail trade	1,272.2	1,259.5	1,249.5	670.5	579.9	1,250.4	1,246.6	6,331.0
Transport and storage	181.3	170.5	167.1	116.3	50.2	166.5	167.7	1,133.4
Road transport	98.9	90.2	87.3	68.0	18.9	86.9	87.1	538.3
Other transport and storage	82.3	80.4	79.8	48.4	31.3	79.6	80.6	595.1
Finance, property and business services	669.0	707.5	685.3	328.2	358.7	686.9	681.5	5,057.3
Banking	92.0	100.3	105.6	44.5	60.4	104.9	104.7	751.5
Non-bank finance and investment	107.2	97.1	91.0	40.2	50.3	90.4	88.9	744.1
Insurance and services to insurance	59.3	73.5	73.6	33.3	41.6	74.9	75.0	587.1
Property and business services	410.4	436.7	415.1	210.2	206.5	416.7	412.9	2,974.6
Community services	491.6	514.1	500.3	133.0	374.8	507.7	507.9	2,673.3
Health	233.4	240.6	231.6	39.4	194.2	233.5	234.0	1,245.2
Education, museum and library services	106.3	116.5	112.7	33.0	83.6	116.6	115.8	649.1
Welfare and religious institutions	86.0	89.5	87.9	26.3	63.5	89.8	90.8	343.2
Other community services	65.9	67.4	68.1	34.4	33.5	67.9	67.3	435.8
Recreation, personal and other services(a)	446.6	446.5	440.5	188.4	254.2	442.6	439.7	1,642.1
Entertainment and recreational services	97.8	96.4	99.3	49.9	48.4	98.3	96.0	415.7
Restaurants, hotels; personal services	348.9	350.1	341.2	138.5	205.8	344.3	343.6	1,226.4
<b>Total all industries(b)</b>	<b>4,485.8</b>	<b>4,450.3</b>	<b>4,384.8</b>	<b>2,438.7</b>	<b>1,952.2</b>	<b>4,390.9</b>	<b>4,367.9</b>	<b>26,749.7</b>
COMMONWEALTH GOVERNMENT								
Manufacturing	18.6	19.1	19.2	15.5	3.5	19.1	18.9	153.9
Electricity, gas and water	0.9	0.9	0.8	0.7	0.2	0.8	0.8	6.9
Construction	4.6	4.3	4.2	3.6	0.4	4.0	4.0	33.6
Wholesale and retail trade	1.6	1.0	1.2	0.7	0.6	1.3	1.3	10.2
Transport and storage	39.2	39.5	36.8	27.2	9.4	36.6	36.4	359.7
Communication	127.1	128.6	128.2	94.7	33.2	127.9	128.4	1,025.2
Finance, property and business services	45.9	49.2	48.5	20.9	28.4	49.3	49.8	303.8
Public administration and defence(c)	105.7	108.5	106.2	58.2	48.8	107.0	107.4	870.7
Community services	43.2	45.7	44.1	23.9	20.6	44.5	44.2	388.5
Recreation, personal and other services(a)	10.4	10.5	10.2	5.9	4.3	10.2	10.4	89.7
<b>Total all industries(d)</b>	<b>397.3</b>	<b>407.3</b>	<b>399.5</b>	<b>251.4</b>	<b>149.3</b>	<b>400.7</b>	<b>401.8</b>	<b>3,242.8</b>

See footnotes at end of table.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
STATE GOVERNMENT								
Agriculture, forestry, fishing and hunting	7.3	7.5	7.6	6.1	1.5	7.6	7.5	53.5
Mining	6.5	6.1	6.0	5.7	0.3	5.9	6.1	72.4
Manufacturing	17.8	14.7	12.7	10.9	1.6	12.5	13.4	85.8
Electricity, gas and water	93.2	89.4	88.6	77.4	11.2	88.6	88.3	790.4
Construction	37.6	39.6	39.3	32.3	6.6	38.9	38.7	306.9
Wholesale and retail trade	2.7	2.6	*2.5	1.7	*0.8	2.6	2.5	*17.1
Transport and storage	94.5	91.6	93.3	85.0	7.6	92.6	92.2	676.9
Finance, property and business services	62.4	68.4	66.3	29.0	36.9	65.9	65.7	444.9
Public administration and defence(c)	74.4	75.1	73.7	43.6	30.0	73.6	74.0	591.7
Community services	761.8	777.8	763.6	302.2	478.0	780.2	776.3	5,349.4
Recreation, personal and other services	14.7	14.5	14.3	6.0	8.3	14.4	14.5	73.3
Total all industries	1,173.0	r 1,187.3	1,168.1	600.1	582.8	1,182.9	1,179.2	8,462.3
LOCAL GOVERNMENT								
Electricity, gas and water	23.3	22.7	22.9	20.9	2.0	22.9	22.9	181.5
Public administration and defence(c)	129.1	132.7	130.3	86.2	44.9	131.0	131.0	799.4
Other industries	4.8	5.2	6.1	4.3	1.9	6.2	6.2	39.4
Total all industries	157.2	160.6	159.3	111.4	48.8	160.2	160.1	1,020.3

See footnotes at end of table.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA — SECTOR AND INDUSTRY —continued

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
TOTAL PUBLIC								
Agriculture, forestry, fishing and hunting	7.4	7.6	7.7	6.3	1.5	7.7	7.6	54.4
Mining	6.6	6.1	6.0	5.7	0.3	5.9	6.1	72.4
Manufacturing	37.3	34.6	32.7	27.2	5.2	32.4	33.0	245.6
Electricity, gas and water	117.4	113.0	112.3	99.0	13.3	112.3	112.0	978.8
Construction	42.3	43.9	43.6	36.0	7.0	43.0	42.8	340.8
Wholesale and retail trade	4.6	4.0	4.1	2.7	*1.5	4.3	4.2	30.0
Transport and storage	135.4	132.9	133.1	114.7	17.5	132.2	131.7	1,056.9
Road transport	21.0	20.6	15.2	13.6	1.5	15.1	15.1	121.3
Other transport and storage	114.4	112.3	117.9	101.0	16.1	117.1	116.6	935.7
Communication	127.1	128.6	128.2	94.7	33.2	127.9	128.4	1,025.2
Finance, property and business services	108.3	117.9	114.9	50.0	65.3	115.3	115.7	749.3
Banking	63.2	66.6	66.3	28.2	38.8	66.9	67.2	401.3
Non-bank finance and investment	1.9	2.9	2.8	1.4	1.3	2.8	2.7	25.4
Insurance and services to insurance	14.9	15.9	16.1	6.3	9.9	16.2	16.2	121.2
Property and business services	28.4	32.6	29.7	14.1	15.3	29.4	29.5	201.4
Public administration and defence(c)	309.2	316.3	310.2	188.0	123.7	311.7	312.4	2,261.8
Community services	806.4	825.0	809.1	326.4	499.6	826.0	821.9	5,744.7
Health	291.9	300.8	292.5	77.9	215.1	293.0	294.7	2,056.6
Education, museum and library services	386.8	396.1	382.8	156.7	240.8	397.6	392.6	2,679.9
Welfare and religious institutions	22.2	18.7	25.8	8.4	17.7	26.1	25.7	148.0
Other community services	105.5	109.4	108.0	83.3	26.0	109.3	108.9	860.2
Recreation, personal and other services	25.4	25.3	24.9	12.3	12.8	25.0	25.3	165.5
<b>Total all industries</b>	<b>1,727.5</b>	<b>1,755.2</b>	<b>1,726.9</b>	<b>962.9</b>	<b>780.9</b>	<b>1,743.8</b>	<b>1,741.1</b>	<b>12,725.4</b>
PRIVATE AND PUBLIC								
Mining	81.7	83.0	83.6	76.4	7.9	84.2	83.3	999.3
Coal	30.6	31.2	31.4	30.6	0.9	31.5	31.6	437.0
Other mining	51.2	51.8	52.2	45.8	7.0	52.8	51.7	562.2
Manufacturing	1,098.7	1,045.6	1,039.2	745.3	289.9	1,035.2	1,029.4	7,352.1
Food, beverages and tobacco	177.6	171.0	182.9	121.9	60.4	182.3	184.5	1,226.0
Textiles	33.5	32.0	26.9	15.0	11.8	26.8	26.9	177.5
Clothing	61.7	53.7	50.1	12.5	38.2	50.7	50.1	266.4
Footwear	12.7	8.7	8.4	3.3	5.2	8.5	8.4	47.3
Wood and wood products	47.2	43.8	44.7	36.7	7.3	44.0	43.5	272.1
Furniture and mattresses	34.6	30.2	31.1	23.8	6.8	30.6	30.1	169.3
Paper and paper products	25.8	21.9	18.4	15.0	3.6	18.6	18.6	157.7
Printing and allied industries	94.8	89.5	87.4	51.5	36.0	87.4	87.3	605.4
Chemicals	57.7	54.2	54.0	37.1	16.6	53.7	53.1	465.1
Petroleum and coal products	4.2	5.5	7.4	6.5	0.9	7.4	7.4	95.9
Non-metallic mineral products	45.5	45.4	43.3	39.0	5.2	44.2	43.6	350.0
Basic iron and steel	42.4	41.5	42.2	38.3	3.5	41.8	41.4	357.1
Other basic metal products	28.7	27.9	28.1	25.1	2.7	27.8	27.8	255.5
Fabricated metal products	101.5	105.8	99.9	80.4	18.6	98.9	98.7	649.7
Motor vehicles and parts	73.8	72.9	72.4	58.4	13.2	71.6	69.9	506.7
Other transport equipment	39.5	35.4	35.2	31.8	3.2	35.1	34.7	266.3
Other machinery and equipment	139.8	133.8	136.5	101.4	34.0	135.4	133.7	1,004.9
Miscellaneous manufacturing	77.8	72.3	70.3	47.6	22.8	70.4	69.5	479.4

See footnotes at end of table.



TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees (‘000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC—continued								
Electricity, gas and water	120.2	115.3	114.0	100.2	13.9	114.0	113.7	993.0
Electricity and gas	81.7	76.5	75.4	66.1	9.3	75.3	74.9	695.1
Water, sewerage and drainage	38.6	38.7	38.6	34.1	4.6	38.7	38.7	298.0
Construction	326.7	r 304.3	298.9	247.8	48.1	295.9	291.1	2,201.1
Wholesale and retail trade	1,276.8	1,263.6	1,253.6	673.3	581.4	1,254.7	1,250.8	6,360.9
Wholesale trade	424.5	404.8	405.3	272.6	132.2	404.8	403.3	2,864.6
Retail trade	852.3	858.8	848.4	400.6	449.2	849.8	847.5	3,496.4
Motor vehicles, petrol, tyres	209.0	208.1	208.7	163.2	44.6	207.8	206.4	1,138.1
Other retail trade	643.3	650.7	639.7	237.5	404.6	642.1	641.1	2,358.3
Transport and storage	316.7	303.5	300.2	231.0	67.7	298.7	299.4	2,190.3
Road transport	120.0	110.8	102.5	81.6	20.4	102.0	102.2	659.5
Rail transport	72.9	71.6	78.2	72.1	5.9	78.0	77.7	555.7
Water transport	8.3	7.4	*8.8	6.2	*2.3	*8.5	*9.0	72.1
Air transport	35.1	36.2	34.1	21.5	12.7	34.2	34.2	313.1
Other transport and storage	80.5	77.5	76.6	49.6	26.5	76.1	76.3	589.9
Communication	128.5	130.1	129.1	95.1	33.7	128.8	129.3	1,030.0
Finance, property and business services	777.3	825.4	800.2	378.2	424.0	802.2	797.2	5,806.6
Banking	155.1	166.8	171.9	72.7	99.1	171.8	171.9	1,152.8
Non-bank finance	38.4	36.8	38.0	16.0	21.3	37.3	36.6	325.9
Investment; services to finance and investment	70.7	63.2	55.8	25.6	30.4	55.9	55.1	443.6
Insurance and services to insurance	74.2	89.3	89.7	39.6	51.5	91.1	91.2	708.3
Property and business services	438.8	469.2	444.8	224.3	221.8	446.1	442.4	3,175.9
Public administration and defence(c)	309.2	316.3	310.2	188.0	123.7	311.7	312.4	2,261.8
Commonwealth government admin.	81.5	84.0	82.5	42.3	40.6	82.9	83.7	691.6
State government admin.	68.1	68.9	68.1	40.5	27.5	68.0	68.5	542.1
Local government admin.	129.6	133.2	130.4	86.3	44.9	131.2	131.1	800.1
Other public admin. and defence(c)	30.0	30.2	29.2	18.9	10.8	29.6	29.1	227.9
Community services	1,298.0	r 1,339.0	1,309.5	459.4	874.4	1,333.8	1,329.8	8,418.0
Health	525.3	541.4	524.1	117.3	409.3	526.6	528.7	3,301.8
Education, museum and library services	493.1	r 512.6	495.5	189.7	324.4	514.2	508.4	3,329.0
Welfare and religious institutions	108.2	108.2	113.7	34.7	81.2	115.9	116.5	491.3
Other community services	171.5	176.8	176.1	117.7	59.5	177.2	176.2	1,295.9
Recreation, personal and other services(a)	472.1	471.8	465.5	200.7	267.0	467.7	465.0	1,807.6
Entertainment and recreational services	119.2	117.2	119.9	60.3	58.7	119.0	117.0	557.8
Restaurants, hotels; personal services	352.9	354.6	345.6	140.4	208.3	348.6	348.0	1,249.8
Total all industries(d)	6,213.2	r 6,205.5	6,111.7	3,401.6	2,733.1	6,134.6	6,108.9	39,475.1

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 11. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, AUSTRALIA

<i>Industry</i>	<i>Number of employees (<sup>'000</sup>)</i>				
	<i>September 1989</i>	<i>June 1990</i>	<i>July 1990</i>	<i>August 1990</i>	<i>September 1990</i>
Mining	82.3	83.1	84.1	84.6	83.9
Manufacturing	1,107.9	1,049.0	1,050.3	1,043.0	1,038.1
Construction	329.2	r 303.3	301.2	298.0	293.4
Wholesale and retail trade	1,290.7	1,271.8	1,265.7	1,264.2	1,264.0
Transport and storage	318.4	305.2	300.7	298.7	301.0
Communication	129.0	129.8	130.1	129.6	129.8
Finance, property and business services	781.4	824.9	804.4	805.4	801.3
Public administration and defence(a)	309.3	314.0	309.4	311.0	312.6
Community services	1,274.1	r 1,318.6	1,312.4	1,310.8	1,305.3
Recreation, personal and other services	477.6	475.1	477.0	472.1	470.4
<b>Total all industries(b)(c)</b>	<b>6,225.4</b>	<b>r 6,212.6</b>	<b>6,143.6</b>	<b>6,137.7</b>	<b>6,120.3</b>

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates, etc. (b) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting. (c) Derived indirectly by the addition of seasonally adjusted private and public sector estimates, not by the summation of the component industries because not all industries are seasonally adjusted.

TABLE 12. EMPLOYED WAGE AND SALARY EARNERS, NEW SOUTH WALES — SECTOR AND INDUSTRY

Industry	Number of employees ('000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Manufacturing	357.1	340.5	337.7	240.3	95.5	335.8	333.7	2,527.6
Electricity, gas and water; Construction	92.7	83.9	81.3	67.3	12.6	79.9	79.7	603.0
Wholesale and retail trade	433.3	438.8	436.0	240.6	195.7	436.2	435.5	2,348.2
Transport and storage	67.5	59.7	62.1	39.7	22.1	61.8	62.3	438.8
Finance, property and business services	268.6	294.4	281.9	139.6	146.8	286.3	284.7	2,216.4
Banking	34.8	40.1	45.4	19.2	25.7	44.9	44.8	356.2
Non-bank finance, investment and insurance	72.1	77.8	77.0	37.0	40.8	77.8	77.1	707.1
Property and business services	161.7	176.4	159.5	83.3	80.3	163.6	162.8	1,153.2
Community services	173.1	174.8	173.6	45.6	130.4	176.0	176.6	950.7
Health	79.3	78.7	77.3	13.1	64.3	77.5	77.8	429.4
Education, museum and library services	38.9	42.2	39.8	10.1	32.1	42.2	42.1	235.9
Welfare and other community services	54.8	53.9	56.6	22.4	33.9	56.3	56.7	285.3
Recreation, personal and other services(a)	179.7	184.6	185.0	81.5	102.2	183.7	184.6	729.7
Total all industries(b)(e)	1,593.8	1,599.6	1,579.0	875.1	706.4	1,581.4	1,578.9	10,099.4
PUBLIC								
Manufacturing	15.0	12.3	12.8	11.2	1.6	12.8	12.6	102.2
Electricity, gas and water; Construction	55.1	52.5	52.1	44.3	7.6	51.9	52.0	452.4
Wholesale and retail trade	0.7	0.7	*0.7	*0.5	*0.2	*0.7	*0.7	*6.0
Transport and storage	52.9	52.1	51.8	42.7	8.3	51.0	50.9	402.2
Communication	44.4	45.3	44.9	33.0	11.7	44.7	45.1	368.0
Finance, property and business services	44.0	48.1	46.6	18.0	28.8	46.8	47.3	296.3
Banking	24.6	26.2	25.9	11.2	15.2	26.4	26.8	162.7
Non-bank finance, investment and insurance	5.3	5.8	5.9	2.2	3.7	5.9	5.9	48.8
Property and business services	14.1	16.1	14.8	4.6	9.9	14.5	14.6	84.8
Public administration and defence(c)	84.2	84.1	83.2	53.0	31.0	84.0	84.4	605.7
Community services	249.4	255.3	248.3	102.1	153.2	255.3	254.9	1,791.6
Health	86.9	90.5	90.8	23.9	67.6	91.5	91.8	667.5
Education, museum and library services	115.3	118.5	112.6	48.4	70.0	118.4	118.0	804.2
Welfare and other community services	47.3	46.3	44.8	29.8	15.6	45.5	45.1	319.9
Recreation, personal and other services	9.8	9.3	9.3	4.9	4.5	9.4	9.6	73.9
Total all industries(d)(e)	561.5	565.5	555.6	315.0	247.6	562.5	563.4	4,161.4

See footnotes at end of table.

TABLE 12. EMPLOYED WAGE AND SALARY EARNERS, NEW SOUTH WALES — SECTOR AND INDUSTRY—continued

Industry	Number of employees ('000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	24.2	25.4	24.0	23.3	1.0	24.3	24.2	324.6
Manufacturing	372.1	352.8	350.5	251.5	97.1	348.6	346.3	2,629.8
Food, beverages and tobacco	54.0	53.3	55.7	36.9	18.3	55.3	56.3	402.4
Textiles; clothing and footwear	29.4	27.3	25.2	9.4	16.0	25.4	24.9	149.6
Wood and wood products	15.6	15.2	15.8	13.5	2.2	15.7	15.6	101.6
Furniture and mattresses	9.8	8.9	9.1	7.1	2.1	9.2	9.1	55.1
Paper, paper products, printing and publishing	42.1	40.7	37.5	21.8	15.2	37.0	36.9	284.1
Chemical, petroleum and coal products	29.0	26.0	25.5	17.0	8.6	25.5	25.3	231.1
Non-metallic mineral products	15.8	13.5	14.1	12.4	1.8	14.2	14.2	120.8
Basic metal products	33.3	32.2	32.7	29.5	2.8	32.3	32.1	295.8
Fabricated metal products	33.0	34.1	32.4	26.5	5.8	32.4	32.1	226.6
Motor vehicles and parts	8.7	8.2	8.4	7.0	1.3	8.3	8.0	56.9
Other transport equipment	16.7	13.2	14.3	13.1	1.3	14.4	14.2	110.9
Other machinery and equipment	57.8	54.8	55.4	40.7	14.1	54.8	54.2	422.9
Miscellaneous manufacturing	26.8	25.3	24.4	16.5	7.7	24.2	23.3	172.0
Electricity, gas and water	39.9	38.4	37.9	33.0	5.0	38.0	38.1	326.9
Construction	107.8	98.0	95.4	78.5	15.3	93.8	93.6	728.6
Wholesale and retail trade	434.0	439.4	436.7	241.0	195.9	437.0	436.3	2,354.2
Wholesale trade	143.0	145.7	145.1	96.5	48.1	144.6	144.0	1,097.6
Retail trade	291.0	293.7	291.6	144.5	147.8	292.3	292.2	1,256.6
Motor vehicles, petrol, tyres	74.9	76.7	75.1	58.9	15.7	74.7	74.2	422.4
Other retail trade	216.1	217.0	216.5	85.5	132.1	217.7	218.0	834.2
Transport and storage	120.4	111.8	113.8	82.4	30.4	112.8	113.2	841.0
Road transport	43.5	33.7	33.7	26.8	6.4	33.2	33.1	241.4
Other transport and storage	76.9	78.1	80.1	55.6	24.0	79.6	80.1	599.6
Communication	45.3	45.7	45.3	33.1	11.9	45.0	45.5	370.2
Finance, property and business services	312.6	342.4	328.5	157.6	175.5	333.1	332.0	2,512.7
Banking	59.4	66.3	71.2	30.4	40.9	71.3	71.5	518.9
Non-bank finance and investment	48.6	42.7	44.0	22.1	22.0	44.2	43.2	420.2
Insurance and services to insurance	28.9	40.9	38.9	17.1	22.5	39.6	39.8	335.7
Property and business services	175.8	192.5	174.3	87.9	90.2	178.1	177.4	1,238.0
Public administration and defence(c)	84.2	84.1	83.2	53.0	31.0	84.0	84.4	605.7
Commonwealth government admin.	17.3	17.8	18.2	8.4	10.0	18.4	18.8	135.3
State government admin.	19.0	17.1	17.1	9.7	7.5	17.2	17.4	137.1
Local government admin.	40.8	41.6	40.6	29.4	11.3	40.7	40.9	278.4
Other public admin. and defence(c)	7.2	7.6	7.2	5.5	2.1	7.6	7.3	54.8
Community services	422.5	430.1	422.0	147.7	283.6	431.3	431.5	2,742.2
Health	166.2	169.2	168.2	37.0	131.9	169.0	169.6	1,096.9
Education, museum and library services	154.2	160.7	152.4	58.5	102.1	160.6	160.1	1,040.1
Welfare and other community services	102.1	100.2	101.4	52.2	49.5	101.7	101.8	605.3
Recreation, personal and other services(a)	189.5	194.0	194.4	86.4	106.7	193.1	194.2	803.6
Entertainment and recreational services	54.8	52.4	52.8	24.9	26.9	51.8	51.8	267.5
Restaurants, hotels; personal services	134.7	141.6	141.5	61.5	79.8	141.3	142.4	536.2
Total all industries(d)	2,155.3	2,165.0	2,134.5	1,190.0	953.9	2,144.0	2,142.2	14,260.8

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting. (e) Includes employees classified to Mining.



TABLE 13. EMPLOYED WAGE AND SALARY EARNERS, VICTORIA — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	5.3	6.0	5.7	5.0	0.7	5.7	5.6	66.5
Manufacturing	370.9	350.7	351.2	242.4	109.2	351.6	349.1	2,495.2
Electricity, gas and water; Construction	75.1	79.6	80.1	67.0	12.6	79.6	78.7	611.8
Wholesale and retail trade	353.5	335.1	334.5	179.5	153.2	332.7	329.3	1,739.1
Transport and storage	46.5	41.1	40.9	29.7	10.6	40.2	40.6	267.8
Finance, property and business services	190.2	198.4	202.1	94.7	103.8	198.5	195.9	1,609.9
Banking	27.3	28.7	29.0	13.2	15.7	28.9	28.8	212.5
Non-bank finance, investment and insurance	53.5	51.1	50.9	20.4	30.2	50.5	50.1	372.0
Property and business services	109.4	118.6	122.2	61.2	58.0	119.2	117.0	*1,025.4
Community services	132.7	139.2	138.2	36.6	103.1	139.7	138.8	746.4
Health	55.4	57.6	57.3	9.4	48.6	58.0	58.1	302.1
Education, museum and library services	34.1	36.9	36.5	10.2	26.4	36.6	36.5	208.7
Welfare and other community services	43.3	44.6	44.3	17.0	28.1	45.1	44.2	235.7
Recreation, personal and other services(a)	101.7	96.9	96.4	44.5	53.4	97.9	94.2	323.5
Total all Industries(b)	1,276.3	1,246.9	1,249.0	699.4	546.7	1,246.1	1,232.2	7,860.3
PUBLIC								
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	0.4
Mining	2.3	2.0	1.9	1.9	—	1.9	2.1	20.8
Manufacturing	9.3	8.9	6.8	4.8	1.9	6.7	6.6	56.6
Electricity, gas and water; Construction	43.1	42.1	41.7	35.8	5.6	41.4	41.0	376.9
Wholesale and retail trade	1.4	0.8	1.1	0.6	0.6	1.2	1.1	8.5
Transport and storage	30.4	29.6	31.0	26.7	4.3	31.0	30.9	249.8
Communication	36.9	37.5	37.6	27.6	10.1	37.7	37.8	304.2
Finance, property and business services	25.9	27.3	27.6	12.5	15.0	27.5	27.3	180.6
Banking	18.0	18.9	18.7	7.7	10.9	18.6	18.5	114.8
Non-bank finance, investment and insurance	3.2	3.3	3.4	1.2	2.2	3.4	3.4	22.5
Property and business services	4.7	5.2	5.5	3.6	1.9	5.5	5.5	43.2
Public administration and defence(c)	84.2	85.7	83.4	45.6	38.5	84.1	84.0	550.2
Community services	217.3	218.3	216.4	84.3	134.2	218.5	220.1	1,531.2
Health	88.6	90.2	82.3	20.8	61.2	82.1	82.4	566.5
Education, museum and library services	101.2	101.2	98.9	41.1	59.8	100.9	102.6	692.4
Welfare and other community services	27.5	26.9	35.2	22.4	13.1	35.5	35.2	272.3
Recreation, personal and other services	5.5	5.8	5.4	2.4	3.1	5.5	5.4	29.9
Total all Industries	456.3	458.0	453.0	242.2	213.2	455.4	456.4	3,309.1

See footnotes at end of table.

TABLE 13. EMPLOYED WAGE AND SALARY EARNERS, VICTORIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees ('000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	7.6	8.0	7.6	6.9	0.7	7.6	7.7	87.4
Manufacturing	380.3	359.6	358.1	247.2	111.1	358.3	355.7	2,551.8
Food, beverages and tobacco	52.7	49.0	54.3	35.5	19.2	54.7	54.7	370.1
Textiles; clothing and footwear	58.4	49.2	44.0	16.1	28.0	44.1	43.9	256.7
Wood and wood products	10.6	9.5	8.8	6.4	2.0	8.5	8.4	49.3
Furniture and mattresses	11.6	9.6	9.3	7.3	1.9	9.3	9.4	52.6
Paper, paper products, printing and publishing	40.1	33.6	34.9	23.0	12.5	35.5	35.4	254.0
Chemical, petroleum and coal products	21.4	21.7	22.8	15.9	6.8	22.7	22.4	209.4
Non-metallic mineral products	13.6	15.0	11.7	11.4	1.3	12.7	12.4	100.9
Basic metal products	14.0	14.1	13.3	11.6	1.5	13.0	12.8	110.8
Fabricated metal products	29.1	34.0	34.2	26.1	7.2	33.2	33.1	221.8
Motor vehicles and parts	42.7	42.4	43.4	34.4	8.6	43.0	41.8	314.8
Other transport equipment	10.5	9.6	8.7	7.5	1.1	8.6	8.6	72.4
Other machinery and equipment	46.6	43.8	44.5	33.1	11.4	44.6	44.4	338.6
Miscellaneous manufacturing	29.0	27.9	28.3	18.8	9.6	28.4	28.3	200.4
Electricity, gas and water	37.6	34.9	34.6	30.1	4.2	34.3	33.9	322.7
Construction	80.5	86.8	87.2	72.7	14.0	86.7	85.7	666.0
Wholesale and retail trade	355.0	335.9	335.6	180.1	153.8	333.9	330.4	1,747.5
Wholesale trade	130.6	118.1	118.1	77.4	40.4	117.8	116.3	861.3
Retail trade	224.4	217.8	217.5	102.7	113.4	216.1	214.1	886.3
Motor vehicles, petrol, tyres	55.1	52.0	52.2	41.1	10.2	51.3	50.8	279.4
Other retail trade	169.3	165.9	165.3	61.6	103.2	164.8	163.3	606.9
Transport and storage	76.9	70.7	71.9	56.4	14.8	71.2	71.6	517.6
Road transport	29.8	28.2	26.1	21.0	5.2	26.2	26.5	157.8
Other transport and storage	47.1	42.4	45.7	35.4	9.6	45.0	45.1	359.8
Communication	37.2	37.5	37.6	27.6	10.1	37.7	37.8	304.2
Finance, property and business services	216.1	225.7	229.7	107.2	118.9	226.0	223.3	1,790.5
Banking	45.2	47.5	47.6	20.8	26.6	47.4	47.3	327.4
Non-bank finance and investment	37.2	*34.2	32.8	12.0	20.1	32.0	31.6	227.8
Insurance and services to insurance	19.6	20.1	21.5	9.5	12.3	21.8	21.9	166.8
Property and business services	114.1	123.8	127.7	64.8	59.9	124.7	122.5	*1,068.6
Public administration and defence(c)	84.2	85.7	83.4	45.6	38.5	84.1	84.0	550.2
Commonwealth government admin.	12.6	12.4	12.0	6.1	6.0	12.1	12.2	93.2
State government admin.	18.2	19.5	19.1	11.3	7.8	19.1	19.1	149.0
Local government admin.	43.3	44.0	42.9	22.0	21.5	43.5	43.4	235.6
Other public admin. and defence(c)	10.1	9.8	9.4	6.1	3.3	9.3	9.2	72.4
Community services	350.1	357.5	354.6	120.9	237.3	358.2	358.9	2,277.6
Health	144.0	147.9	139.6	30.2	109.9	140.1	140.5	868.6
Education, museum and library services	135.3	138.1	135.4	51.4	86.2	137.6	139.1	901.0
Welfare and other community services	70.8	71.5	79.6	39.4	41.2	80.6	79.4	507.9
Recreation, personal and other services(a)	107.2	102.6	101.8	46.9	56.5	103.4	99.6	353.4
Entertainment and recreational services	28.0	30.2	33.1	18.0	14.7	32.8	30.1	127.4
Restaurants, hotels; personal services	79.2	72.4	68.7	28.9	41.8	70.7	69.5	226.0
Total all Industries(d)	1,732.6	1,704.9	1,702.0	941.6	759.9	1,701.5	1,688.6	11,169.4

(a) Excludes private households employing staff (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 14. EMPLOYED WAGE AND SALARY EARNERS, QUEENSLAND — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	18.1	18.5	20.9	19.9	1.7	21.6	21.1	257.6
Manufacturing	128.6	125.4	121.4	91.5	30.4	121.9	121.8	782.5
Electricity, gas and water; Construction	52.0	43.6	42.0	33.9	7.3	41.2	38.5	271.4
Wholesale and retail trade	217.3	218.3	212.5	111.7	102.6	214.2	214.0	1,029.6
Transport and storage	32.2	33.3	30.5	22.0	9.1	31.1	31.3	205.5
Finance, property and business services	93.8	94.3	79.8	37.3	43.3	80.6	80.6	482.2
Banking	14.5	15.1	14.9	5.7	9.1	14.8	14.9	87.8
Non-bank finance, investment and insurance	16.9	19.5	14.3	6.5	8.0	14.5	14.5	94.4
Property and business services	62.3	59.8	50.6	25.0	26.2	51.2	51.3	300.0
Community services	74.0	77.7	69.9	18.8	51.9	70.7	70.7	361.4
Health	37.7	42.4	35.0	7.4	28.2	35.6	35.6	190.8
Education, museum and library services	14.8	16.8	16.3	5.2	11.6	16.8	16.3	89.7
Welfare and other community services	21.5	18.6	18.5	6.2	12.1	18.4	18.8	80.9
Recreation, personal and other services(a)	77.7	74.0	69.8	27.9	43.2	71.1	71.0	264.0
Total all industries(b)	694.0	685.8	647.1	363.0	289.7	652.7	649.2	3,655.6
PUBLIC								
Agriculture, forestry, fishing and hunting	1.5	1.5	1.6	1.4	0.2	1.6	1.5	10.1
Manufacturing	5.3	5.8	5.5	4.8	0.5	5.3	6.2	36.3
Electricity, gas and water; Construction	22.1	22.6	22.7	19.9	2.6	22.5	22.3	169.1
Wholesale and retail trade	1.5	1.5	1.5	1.0	0.4	1.4	1.4	8.7
Transport and storage	26.7	26.1	25.5	23.1	2.4	25.5	25.3	190.3
Communication	20.6	20.7	20.5	15.4	5.0	20.4	20.3	152.6
Finance, property and business services	12.0	13.6	12.6	6.0	6.8	12.7	12.7	75.3
Banking	5.8	6.1	6.3	2.7	3.8	6.5	6.5	32.3
Non-bank finance, investment and insurance	3.4	3.9	3.8	1.7	2.1	3.8	3.8	27.9
Property and business services	2.8	3.7	2.4	1.5	0.9	2.4	2.4	15.1
Public administration and defence(c)	44.7	47.5	45.7	31.6	14.2	45.9	46.0	314.5
Community services	115.7	123.7	124.0	51.8	73.3	125.2	121.9	769.2
Health	36.5	38.8	38.4	11.6	26.5	38.1	38.9	252.0
Education, museum and library services	58.5	63.2	64.1	24.4	40.9	65.2	61.3	390.1
Welfare and other community services	20.8	21.7	21.5	15.8	6.0	21.8	21.7	127.1
Recreation, personal and other services	2.2	2.7	2.7	1.2	1.5	2.7	2.8	15.4
Total all industries	252.2	265.6	262.2	156.2	106.8	263.0	260.4	1,741.3

See footnotes at end of table.

TABLE 14. EMPLOYED WAGE AND SALARY EARNERS, QUEENSLAND — SECTOR AND INDUSTRY—continued

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	18.1	18.5	20.9	19.9	1.7	21.6	21.1	257.6
Coal	9.7	9.9	10.1	9.6	0.4	10.0	10.1	146.1
Other mining	8.4	8.6	10.9	10.3	1.3	11.6	11.0	111.6
Manufacturing	133.9	131.2	126.9	96.3	30.9	127.2	128.0	818.7
Food, beverages and tobacco	35.6	33.1	33.4	23.8	9.7	33.5	34.4	213.7
Textiles; clothing and footwear	6.6	5.3	5.6	1.4	4.4	5.8	5.8	28.0
Wood and wood products	6.2	6.9	7.0	5.9	1.4	7.2	7.1	38.3
Furniture and mattresses	6.2	4.9	4.9	3.8	1.0	4.8	4.7	24.7
Paper, paper products, printing and publishing	13.7	14.8	11.0	6.9	4.1	11.0	11.0	69.5
Chemical, petroleum and coal products	4.3	4.8	5.4	4.2	1.0	5.3	5.3	*49.5
Non-metallic mineral products	7.6	7.6	8.6	7.5	*1.1	8.6	8.6	63.0
Basic metal products	6.0	6.1	7.1	6.4	0.6	7.0	7.1	57.6
Fabricated metal products	18.2	18.8	15.4	12.7	2.8	15.5	15.7	90.1
Motor vehicles and parts	5.2	5.3	4.5	4.1	0.3	4.4	4.3	27.3
Other transport equipment	6.8	6.6	6.4	5.8	0.3	6.1	6.0	41.1
Other machinery and equipment	9.6	10.6	11.5	9.4	*2.1	11.5	11.4	78.9
Miscellaneous manufacturing	8.0	6.3	6.2	4.3	2.2	6.6	6.6	37.1
Electricity, gas and water	14.6	14.4	14.3	12.7	1.7	14.4	14.4	114.9
Construction	59.5	51.8	50.4	41.1	8.1	49.2	46.5	325.6
Wholesale and retail trade	218.8	219.8	214.0	112.7	103.0	215.6	215.4	1,038.3
Wholesale trade	72.6	60.5	59.3	42.0	18.5	60.4	60.8	370.2
Retail trade	146.2	159.3	154.7	70.7	84.5	155.2	154.5	668.0
Motor vehicles, petrol, tyres	36.8	38.7	40.4	30.0	10.4	40.4	40.2	215.2
Other retail trade	109.4	120.6	114.3	40.7	74.0	114.8	114.3	452.8
Transport and storage	59.0	59.4	55.9	45.1	11.5	56.6	56.5	395.8
Road transport	20.8	*21.4	17.5	13.0	*4.7	17.7	17.4	101.4
Other transport and storage	38.1	*38.0	38.4	32.1	6.8	38.9	39.1	294.4
Communication	20.7	21.4	20.7	15.5	5.1	20.6	20.6	154.0
Finance, property and business services	105.8	107.9	92.5	43.2	50.1	93.3	93.3	557.4
Banking	20.3	21.1	21.3	8.4	12.9	21.3	21.3	120.0
Non-bank finance and investment	*10.0	*11.5	6.9	3.1	3.7	6.8	6.9	47.4
Insurance and services to insurance	10.3	11.8	11.3	5.1	6.4	11.6	11.4	74.9
Property and business services	65.1	63.4	53.0	26.6	27.0	53.6	53.7	315.1
Public administration and defence(c)	44.7	47.5	45.7	31.6	14.2	45.9	46.0	314.5
Commonwealth government admin.	9.6	10.0	9.8	4.8	5.0	9.8	10.0	80.2
State government admin.	9.5	10.8	9.6	6.4	3.3	9.6	9.8	69.5
Local government admin.	22.5	23.6	23.3	18.7	4.7	23.4	23.2	145.2
Other public admin. and defence(c)	3.1	3.0	3.0	1.9	1.2	3.1	3.0	19.5
Community services	189.7	201.4	193.9	70.6	125.3	195.9	192.6	1,130.6
Health	74.2	81.1	73.4	19.0	54.7	73.7	74.5	442.8
Education, museum and library services	73.3	79.9	80.5	29.5	52.5	82.0	77.6	479.8
Welfare and other community services	42.2	40.3	40.0	22.1	18.1	40.1	40.5	208.0
Recreation, personal and other services(a)	79.9	76.7	72.5	29.1	44.7	73.8	73.8	279.4
Entertainment and recreational services	16.0	15.4	15.3	7.7	8.1	15.9	15.9	65.9
Restaurants, hotels; personal services	63.9	61.3	57.2	21.3	36.6	57.9	57.9	213.4
<b>Total all Industries(d)</b>	<b>946.2</b>	<b>951.4</b>	<b>909.3</b>	<b>519.2</b>	<b>396.5</b>	<b>915.7</b>	<b>909.6</b>	<b>5,396.9</b>

(a) Excludes private households employing staff (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.



TABLE 15. EMPLOYED WAGE AND SALARY EARNERS, SOUTH AUSTRALIA — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	3.1	3.1	3.0	2.5	0.5	3.0	3.1	27.4
Manufacturing	100.6	97.6	98.4	71.4	26.8	98.3	96.6	635.2
Electricity, gas and water; Construction	24.2	21.5	19.0	15.7	3.3	19.0	18.7	115.1
Wholesale and retail trade	103.5	104.0	100.8	51.3	49.5	100.8	101.3	441.4
Transport and storage	11.7	11.5	10.4	7.8	2.5	10.3	10.8	60.7
Finance, property and business services	40.9	41.8	42.8	20.4	22.9	43.3	43.1	272.3
Banking	5.4	5.4	5.4	2.3	3.1	5.4	5.3	32.8
Non-bank finance, investment and insurance	8.8	9.3	10.2	4.7	5.6	10.3	10.3	72.5
Property and business services	26.7	27.1	27.2	13.4	14.2	27.6	27.5	167.0
Community services	43.9	49.7	52.9	14.7	39.7	54.4	54.8	273.7
Health	25.6	26.2	29.0	4.5	24.7	29.2	29.4	161.7
Education, museum and library services	7.6	9.3	9.0	3.7	5.8	9.5	9.5	50.3
Welfare and other community services	*10.7	*14.2	14.9	*6.5	9.2	15.7	15.8	61.6
Recreation, personal and other services(a)	35.3	33.7	33.1	13.3	20.3	33.7	33.9	116.2
Total all industries(b)	363.1	363.1	360.7	197.1	165.8	362.9	362.5	1,942.9
PUBLIC								
Agriculture, forestry, fishing and hunting	0.6	0.6	0.7	0.5	0.1	0.6	0.6	3.8
Mining	1.1	1.0	1.0	0.9	0.2	1.0	1.0	9.8
Manufacturing	3.7	3.6	3.6	3.1	0.4	3.6	3.5	22.0
Electricity, gas and water; Construction	14.7	15.3	15.1	13.1	1.9	15.0	15.0	116.3
Wholesale and retail trade	0.2	0.2	0.2	0.1	0.1	0.2	0.2	1.7
Transport and storage	10.1	10.0	10.1	9.1	1.0	10.0	9.9	88.2
Communication	9.1	9.1	9.1	7.1	2.0	9.1	9.2	74.7
Finance, property and business services	9.5	10.5	10.6	5.4	5.3	10.7	10.8	77.1
Banking	5.8	5.8	5.8	2.9	3.0	5.9	5.9	40.0
Non-bank finance, investment and insurance	1.4	2.3	2.4	1.1	1.4	2.4	2.5	18.3
Property and business services	2.3	2.4	2.4	1.4	0.9	2.4	2.4	18.8
Public administration and defence(c)	21.3	21.6	21.0	12.9	7.9	20.9	20.9	149.1
Community services	77.5	78.5	77.6	30.6	48.3	78.9	79.8	575.8
Health	30.8	31.2	31.6	8.0	23.9	31.8	31.8	200.4
Education, museum and library services	34.5	35.0	34.2	13.8	21.2	35.0	36.0	272.5
Welfare and other community services	12.2	12.3	11.9	8.9	3.2	12.1	12.0	103.0
Recreation, personal and other services	2.8	3.0	3.1	1.2	1.8	3.0	3.1	17.2
Total all industries	150.6	153.7	152.0	84.1	69.1	153.2	154.2	1,135.7

See footnotes at end of table.

TABLE 15. EMPLOYED WAGE AND SALARY EARNERS, SOUTH AUSTRALIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees ('000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	4.2	4.1	4.0	3.4	0.7	4.1	4.1	37.2
Manufacturing	104.3	101.2	102.0	74.6	27.3	101.9	100.2	657.2
Food, beverages and tobacco	16.0	16.5	16.7	11.1	5.8	16.9	16.7	94.7
Textiles; clothing and footwear	7.8	6.6	5.7	1.9	3.9	5.8	6.0	32.2
Wood and wood products	5.1	4.3	5.5	4.8	0.7	5.5	5.4	37.8
Furniture and mattresses	2.9	2.5	2.9	2.1	*0.7	2.8	2.8	13.6
Paper, paper products, printing and publishing	8.3	8.5	8.3	5.6	2.8	8.4	8.4	57.3
Chemical, petroleum and coal products	2.5	2.6	2.8	2.3	*0.5	2.7	2.7	23.1
Non-metallic mineral products	3.0	3.3	3.7	3.3	0.4	3.7	3.6	29.0
Basic metal products	7.8	7.7	7.8	7.2	0.6	7.8	7.7	59.6
Fabricated metal products	8.8	8.0	8.0	6.7	1.4	8.1	7.8	47.6
Motor vehicles and parts	14.6	14.5	13.8	11.0	2.7	13.7	13.5	91.8
Other transport equipment	2.2	2.4	2.2	2.0	0.2	2.2	2.2	15.6
Other machinery and equipment	15.8	15.8	16.8	11.3	*5.2	16.5	15.6	108.2
Miscellaneous manufacturing	9.4	8.6	7.8	5.2	2.5	7.7	7.7	46.7
Electricity, gas and water	10.5	10.4	10.2	9.1	1.1	10.2	10.2	83.4
Construction	28.4	26.4	23.8	19.7	4.1	23.8	23.6	148.0
Wholesale and retail trade	103.7	104.1	101.0	51.4	49.6	101.1	101.5	443.1
Wholesale trade	31.0	31.3	32.5	21.2	11.0	32.1	32.2	198.8
Retail trade	72.7	72.8	68.5	30.3	38.7	68.9	69.3	244.3
Motor vehicles, petrol, tyres	17.6	15.5	15.4	12.4	3.3	15.6	15.6	78.1
Other retail trade	55.1	57.3	53.1	17.9	35.4	53.3	53.7	166.2
Transport and storage	21.8	21.6	20.5	16.9	3.5	20.4	20.7	148.9
Road transport	9.8	10.6	9.6	8.3	1.3	9.6	10.3	61.2
Other transport and storage	12.0	11.0	10.9	8.6	2.2	10.8	10.5	87.7
Communication	9.2	9.3	9.3	7.2	2.1	9.3	9.4	75.6
Finance, property and business services	50.4	52.3	53.4	25.7	28.3	54.0	53.9	349.4
Banking	11.2	11.2	11.2	5.1	6.2	11.3	11.3	72.8
Non-bank finance and investment	3.7	4.3	4.4	1.9	2.6	4.5	4.4	30.5
Insurance and services to insurance	6.4	7.4	8.2	3.8	4.5	8.2	8.3	60.4
Property and business services	29.0	29.5	29.6	14.9	15.1	30.0	29.9	185.8
Public administration and defence(c)	21.3	21.6	21.0	12.9	7.9	20.9	20.9	149.1
Commonwealth government admin.	5.7	5.9	5.3	2.9	2.4	5.2	5.3	42.5
State government admin.	5.3	5.1	5.0	3.2	1.9	5.1	5.0	36.4
Local government admin.	8.0	8.3	8.4	5.8	2.5	8.3	8.4	51.8
Other public admin. and defence(c)	*2.3	*2.2	*2.2	*1.1	*1.2	*2.2	*2.3	*18.5
Community services	121.4	128.3	130.5	45.3	88.0	133.3	134.6	849.5
Health	56.4	57.5	60.6	12.4	48.6	61.0	61.3	362.1
Education, museum and library services	42.0	44.2	43.1	17.5	27.0	44.5	45.5	322.8
Welfare and other community services	22.9	26.6	26.8	15.3	12.4	27.7	27.8	164.6
Recreation, personal and other services(a)	38.1	36.8	36.2	14.5	22.1	36.6	37.0	133.4
Entertainment and recreational services	8.8	7.7	7.6	3.9	3.7	7.6	7.9	40.9
Restaurants, hotels, personal services	29.3	29.1	28.6	10.6	18.4	29.0	29.1	92.5
Total all industries(d)	513.7	516.8	512.7	281.2	234.9	516.1	516.7	3,078.6

(a) Excludes private households employing staff (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 16. EMPLOYED WAGE AND SALARY EARNERS, WESTERN AUSTRALIA — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	22.9	22.4	22.1	18.5	3.2	21.7	21.3	241.4
Manufacturing	68.7	64.6	65.9	48.4	15.8	64.2	64.4	441.4
Electricity, gas and water; Construction	27.8	21.5	20.8	17.6	3.4	21.0	20.5	176.5
Wholesale and retail trade	110.5	107.6	108.8	56.0	53.2	109.2	109.4	503.3
Transport and storage	15.9	18.4	17.7	13.0	4.5	17.6	17.2	124.0
Finance, property and business services	46.9	51.0	49.1	21.2	27.4	48.6	48.4	313.7
Banking	6.1	7.0	7.0	2.6	4.3	6.9	6.9	39.5
Non-bank finance, investment and insurance	9.7	8.0	8.2	3.4	4.8	8.2	8.1	61.0
Property and business services	31.1	36.0	33.9	15.2	18.2	33.4	33.5	213.3
Community services	37.9	39.8	38.4	9.1	29.9	39.0	38.6	195.6
Health	19.5	19.9	20.2	2.8	17.5	20.3	20.2	98.8
Education, museum and library services	6.9	7.0	6.9	2.6	4.6	7.1	7.1	40.1
Welfare and other community services	11.5	12.8	11.4	*3.7	7.9	11.6	11.4	*56.7
Recreation, personal and other services(a)	31.0	33.4	33.2	12.9	19.9	32.8	32.5	122.4
Total all industries(b)	361.7	358.6	355.9	196.6	157.4	354.0	352.4	2,118.5
PUBLIC								
Agriculture, forestry, fishing and hunting	1.6	1.7	1.7	1.3	0.4	1.7	1.7	12.5
Mining	—	—	—	—	—	—	—	—
Manufacturing	2.9	2.8	2.8	2.4	0.4	2.8	2.8	19.3
Electricity, gas and water; Construction	14.7	14.5	14.5	13.1	1.5	14.6	14.5	125.3
Wholesale and retail trade	0.4	0.5	0.4	0.4	0.2	0.5	0.5	3.9
Transport and storage	10.2	9.8	9.5	8.5	0.9	9.5	9.4	80.4
Communication	10.1	10.0	10.1	7.3	2.8	10.1	10.0	77.5
Finance, property and business services	10.7	11.8	11.8	5.4	6.4	11.7	11.7	74.7
Banking	6.8	7.2	7.2	2.7	4.4	7.2	7.2	38.1
Non-bank finance, investment and insurance	1.4	1.4	1.4	0.6	0.8	1.4	1.4	11.3
Property and business services	2.5	3.1	3.2	2.0	1.1	3.2	3.1	25.4
Public administration and defence(c)	23.6	24.3	23.7	14.2	9.3	23.5	23.5	174.6
Community services	85.1	87.6	82.6	33.1	54.0	87.1	87.8	622.3
Health	29.3	30.2	29.8	8.4	21.7	30.1	30.4	232.1
Education, museum and library services	43.9	44.7	40.3	15.7	28.6	44.3	44.8	282.0
Welfare and other community services	11.8	12.7	12.4	9.0	3.8	12.7	12.7	108.2
Recreation, personal and other services	2.3	2.2	2.2	1.1	1.1	2.2	2.1	13.5
Total all industries	161.5	165.3	159.3	86.8	77.0	163.8	164.2	1,204.1

See footnotes at end of table.

TABLE 16. EMPLOYED WAGE AND SALARY EARNERS, WESTERN AUSTRALIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	22.9	22.4	22.1	18.5	3.2	21.7	21.3	241.4
Manufacturing	71.6	67.4	68.7	50.8	16.2	67.0	67.2	460.7
Food, beverages and tobacco	10.5	12.0	14.8	9.8	4.8	14.6	15.1	94.4
Textiles; clothing and footwear	3.8	3.0	2.9	1.0	1.8	2.9	2.9	14.3
Wood and wood products	5.3	4.3	4.5	3.3	0.7	4.0	4.0	25.3
Furniture and mattresses	3.5	3.5	*3.5	2.5	*0.7	3.2	2.7	16.4
Paper, paper products, printing and publishing	9.2	7.2	7.5	4.2	3.3	7.4	7.5	48.0
Chemical, petroleum and coal products	3.2	3.7	4.2	3.6	0.5	4.1	4.1	37.3
Non-metallic mineral products	4.3	4.4	3.8	3.2	0.5	3.7	3.7	27.0
Basic metal products	6.1	5.3	5.5	5.0	0.5	5.5	5.5	49.7
Fabricated metal products	9.4	8.6	7.4	6.1	1.1	7.3	7.5	49.8
Transport equipment	4.6	4.5	4.5	4.1	0.4	4.5	4.5	30.2
Other machinery and equipment	8.2	7.6	7.4	6.0	1.0	7.0	7.0	50.2
Miscellaneous manufacturing	3.6	3.3	2.8	2.0	0.7	2.7	2.8	18.1
Electricity, gas and water	10.3	10.1	10.1	9.2	0.9	10.1	10.1	87.5
Construction	32.2	25.9	25.2	21.5	4.0	25.4	24.9	214.3
Wholesale and retail trade	110.9	108.1	109.2	56.3	53.4	109.7	109.9	507.2
Wholesale trade	31.8	33.5	34.9	24.1	10.5	34.6	34.5	229.9
Retail trade	79.1	74.5	74.3	32.2	42.9	75.1	75.3	277.3
Motor vehicles, petrol, tyres	16.1	15.4	14.8	11.6	3.4	15.0	15.0	85.1
Other retail trade	63.0	59.1	59.5	20.6	39.5	60.1	60.3	192.2
Transport and storage	26.1	28.2	27.2	21.6	5.5	27.0	26.6	204.5
Road transport	10.1	11.4	*10.9	*8.7	*2.1	*10.8	*10.5	67.4
Other transport and storage	16.0	16.8	16.3	12.8	3.4	16.2	16.1	137.0
Communication	10.1	10.0	10.1	7.3	2.8	10.1	10.0	77.6
Finance, property and business services	57.6	62.7	60.8	26.5	33.8	60.3	60.2	388.4
Banking	12.9	14.2	14.1	5.3	8.8	14.1	14.1	77.6
Non-bank finance and investment	6.1	*4.4	3.7	1.7	2.0	3.7	3.6	30.5
Insurance and services to insurance	5.0	5.1	5.9	2.3	3.6	5.9	5.9	41.7
Property and business services	33.6	39.1	37.1	17.2	19.4	36.6	36.6	238.7
Public administration and defence(c)	23.6	24.3	23.7	14.2	9.3	23.5	23.5	174.6
Commonwealth government admin.	5.6	5.6	5.3	2.6	2.7	5.3	5.4	39.8
State government admin.	6.1	6.2	6.1	3.6	2.4	6.1	6.0	59.7
Local government admin.	10.6	11.0	10.7	7.1	3.5	10.6	10.5	61.4
Other public admin. and defence(c)	1.4	1.6	1.6	0.8	0.7	1.6	1.6	13.7
Community services	122.9	127.4	121.0	42.2	83.9	126.1	126.5	817.9
Health	48.8	50.1	50.0	11.3	39.1	50.4	50.5	330.8
Education, museum and library services	50.8	51.7	47.2	18.3	33.1	51.4	51.8	322.1
Welfare and other community services	23.3	25.6	23.8	12.6	11.6	24.3	24.1	165.0
Recreation, personal and other services(a)	33.3	35.7	35.4	14.0	21.0	35.0	34.7	135.9
Entertainment and recreational services	6.8	6.5	6.2	3.3	2.9	6.1	6.0	28.2
Restaurants, hotels; personal services	26.5	29.1	29.2	10.8	18.1	28.9	28.7	107.8
Total all Industries(d)	523.1	523.9	515.2	283.4	234.4	517.8	516.6	3,322.6

(a) Excludes private households employing staff (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting



TABLE 17. EMPLOYED WAGE AND SALARY EARNERS, TASMANIA — SECTOR AND INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	2.8	2.9	2.8	2.6	0.2	2.8	2.8	29.1
Manufacturing	28.7	26.3	25.7	19.6	5.4	24.9	24.9	175.8
Electricity, gas and water; Construction	4.8	3.6	3.4	2.9	*0.5	3.4	3.5	20.1
Wholesale and retail trade	25.5	27.2	26.3	14.7	11.6	26.3	26.6	113.6
Transport and storage	4.5	4.5	3.7	3.0	0.7	3.7	3.7	24.3
Finance, property and business services	11.7	11.3	11.8	5.9	5.7	11.6	11.3	66.4
Banking	1.8	1.9	1.9	0.8	1.1	1.9	1.9	11.2
Non-bank finance, investment and insurance	2.8	2.7	2.7	1.0	1.6	2.6	2.6	16.2
Property and business services	7.1	6.8	7.2	4.0	3.0	7.1	6.7	39.0
Community services	15.1	16.1	12.9	3.4	9.6	13.0	12.9	60.1
Health	*10.1	*9.8	7.1	*1.0	6.1	7.1	7.1	32.0
Education, museum and library services	2.0	1.9	2.1	0.7	1.3	2.0	1.9	11.1
Welfare and other community services	3.0	4.3	3.7	1.6	2.2	3.8	3.8	17.0
Recreation, personal and other services(a)	9.2	11.1	10.7	3.7	7.4	11.2	10.8	38.4
Total all industries(b)	102.3	102.9	97.4	55.8	41.0	96.9	96.4	527.8
PUBLIC								
Agriculture, forestry, fishing and hunting	0.8	0.8	0.8	0.6	0.1	0.8	0.8	5.7
Manufacturing	0.1	0.1	0.1	0.1	—	0.1	0.1	0.7
Electricity, gas and water; Construction	6.0	5.7	5.7	5.3	0.5	5.7	5.8	43.9
Wholesale and retail trade	0.2	0.2	0.2	0.1	—	0.2	0.2	0.9
Transport and storage	2.2	2.1	2.1	1.9	0.1	2.1	2.0	17.0
Communication	3.0	3.0	3.0	2.3	0.7	3.0	2.9	24.2
Finance, property and business services	2.7	2.8	2.1	1.0	1.2	2.2	2.2	14.0
Banking	1.4	1.4	1.4	0.6	0.8	1.4	1.4	7.4
Non-bank finance, investment and insurance	0.5	0.6	0.6	0.3	0.3	0.6	0.6	4.2
Property and business services	0.8	0.8	0.2	0.1	0.1	0.3	0.3	2.3
Public administration and defence(c)	9.9	9.6	9.9	6.4	3.5	9.9	9.9	67.4
Community services	27.6	27.1	26.8	10.6	17.1	27.7	23.7	176.3
Health	9.9	9.8	9.8	2.6	7.1	9.7	9.8	63.4
Education, museum and library services	14.6	14.4	14.1	5.9	9.3	15.1	11.1	87.4
Welfare and other community services	3.1	2.9	2.9	2.1	0.7	2.9	2.8	25.5
Recreation, personal and other services	0.7	0.5	0.5	0.4	0.1	0.5	0.5	3.1
Total all industries	53.2	52.0	51.1	28.8	23.4	52.2	48.2	353.1

See footnotes at end of table.

TABLE 17. EMPLOYED WAGE AND SALARY EARNERS, TASMANIA — SECTOR AND INDUSTRY—continued

Industry	Number of employees ('000)						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	2.8	2.9	2.8	2.6	0.2	2.8	2.8	29.1
Manufacturing	28.9	26.4	25.8	19.7	5.4	25.1	25.0	176.5
Food, beverages and tobacco	7.2	6.2	6.8	4.0	2.3	6.3	6.3	39.9
Textiles; clothing and footwear	1.7	2.7	1.9	0.8	1.0	1.8	1.8	9.8
Wood; wood products and furniture	4.0	3.6	3.8	3.2	0.5	3.7	3.7	22.5
Paper, paper products, printing and publishing	5.1	4.6	4.6	3.8	0.8	4.6	4.6	35.5
Chemical, petroleum and coal products	1.4	1.0	0.8	0.6	0.1	0.7	0.7	10.6
Non-metallic mineral products	0.9	0.7	0.7	0.6	—	0.7	0.7	4.8
Basic metal products	2.9	3.0	3.1	2.9	0.1	3.0	3.0	27.0
Fabricated metal products	*2.2	1.6	1.5	1.3	*0.1	1.5	1.5	7.3
Transport equipment	1.1	1.3	1.3	1.1	0.2	1.3	1.3	10.5
Other manufacturing	2.4	1.7	1.4	1.2	0.2	1.5	1.5	8.7
Electricity, gas and water	4.6	4.3	4.3	3.9	0.4	4.3	4.3	33.9
Construction	6.2	5.0	4.9	4.3	0.6	4.9	4.9	30.2
Wholesale and retail trade	25.7	27.4	26.4	14.8	11.6	26.4	26.7	114.4
Wholesale trade	7.9	8.5	7.9	6.0	1.8	7.9	8.0	46.8
Retail trade	17.8	18.9	18.5	8.8	9.8	18.6	18.7	67.7
Motor vehicles, petrol, tyres	4.4	5.1	4.4	3.8	*0.7	4.5	4.5	19.6
Other retail trade	13.4	13.8	14.1	5.0	9.1	14.1	14.3	48.0
Transport and storage	6.6	6.6	5.8	4.9	0.8	5.7	5.8	41.3
Road transport	3.0	3.2	2.5	2.1	0.3	2.4	2.4	13.7
Other transport and storage	3.7	3.4	3.3	2.8	0.5	3.3	3.4	27.6
Communication	3.0	3.0	3.0	2.3	0.7	3.0	2.9	24.3
Finance, property and business services	14.4	14.1	13.9	6.9	6.9	13.8	13.5	80.4
Banking	3.2	3.3	3.3	1.4	1.9	3.3	3.3	18.6
Non-bank finance and investment	*1.2	*1.0	*1.0	*0.4	0.6	*1.0	*1.0	*7.2
Insurance and services to insurance	2.1	2.2	2.2	0.9	1.3	2.2	2.2	13.2
Property and business services	7.9	7.6	7.3	4.2	3.2	7.3	7.0	41.3
Public administration and defence(c)	9.9	9.6	9.9	6.4	3.5	9.9	9.9	67.4
Commonwealth government admin.	1.8	1.9	1.8	0.9	0.9	1.8	1.8	14.2
State government admin.	3.9	3.6	3.9	2.6	1.3	3.9	4.0	27.5
Local government admin.	3.4	3.6	3.6	2.6	1.0	3.6	3.6	21.9
Other public admin. and defence(c)	0.9	0.5	0.5	0.3	0.3	0.5	0.5	3.8
Community services	42.7	43.2	39.7	14.0	26.6	40.7	36.6	236.3
Health	20.0	19.7	16.9	3.6	13.2	16.8	17.0	95.4
Education, museum and library services	16.6	16.3	16.2	6.6	10.5	17.1	13.0	98.5
Welfare and other community services	6.1	7.2	6.6	3.8	2.9	6.7	6.7	42.5
Recreation, personal and other services(a)	9.9	11.6	11.3	4.1	7.6	11.7	11.4	41.5
Entertainment and recreational services	1.4	1.3	1.3	0.7	*0.6	1.4	1.4	6.5
Restaurants, hotels; personal services	8.5	10.3	9.9	3.4	6.9	10.3	10.0	35.0
Total all industries(d)	155.5	154.9	148.5	84.6	64.4	149.0	144.6	880.9

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to Communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 18. EMPLOYED WAGE AND SALARY EARNERS, NORTHERN TERRITORY — INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
Mining	1.8	1.7	2.1	1.7	0.3	2.0	2.0	21.0
Manufacturing	3.6	2.9	3.1	2.5	0.7	3.2	3.1	29.2
Electricity, gas and water	1.3	1.3	1.2	1.0	0.3	1.2	1.2	11.3
Construction	*6.2	5.8	*7.0	*5.6	*1.3	*7.0	7.1	50.9
Wholesale and retail trade	11.6	12.0	11.8	6.2	5.7	11.9	11.7	60.6
Transport and storage	2.1	2.0	1.9	1.3	0.5	1.8	1.8	13.8
Communication	1.0	1.1	1.1	0.8	0.2	1.1	1.1	9.3
Finance, property and business services	5.0	*6.5	*6.7	*3.8	3.0	*6.8	*6.6	39.1
Public administration and defence(a)	6.6	6.9	7.0	3.8	3.1	6.9	6.9	57.3
Community services	17.0	17.6	15.8	6.4	9.4	15.8	16.6	116.1
Health	6.5	6.5	5.9	1.7	4.2	5.9	6.0	44.5
Education, museum and library services	5.5	6.1	5.8	2.0	3.7	5.7	5.9	46.3
Welfare and other community services	*5.0	*4.9	4.2	2.6	1.5	4.1	4.7	25.3
Recreation, personal and other services(b)	4.1	5.1	4.9	1.8	3.2	5.0	5.2	21.6
<b>Total all industries(c)</b>	<b>60.4</b>	<b>63.0</b>	<b>62.5</b>	<b>34.9</b>	<b>27.7</b>	<b>62.6</b>	<b>63.3</b>	<b>430.2</b>

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) Excludes private households employing staff. (c) Includes employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 19. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIAN CAPITAL TERRITORY — INDUSTRY

Industry	Number of employees ( <sup>'000</sup> )						Gross earnings	
	September 1989	June 1990	July 1990	August 1990		September 1990	September Quarter 1990	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
Manufacturing	4.0	4.1	4.0	2.8	1.2	4.0	3.9	28.2
Electricity, gas and water	1.5	1.5	1.4	1.2	0.2	1.4	1.4	12.5
Construction	5.8	4.6	5.1	4.4	0.7	5.1	4.8	37.5
Wholesale and retail trade	17.1	16.8	19.0	10.6	8.5	19.1	19.0	95.7
Transport and storage	3.7	3.2	3.1	2.5	0.7	3.1	3.1	27.3
Communication	2.0	2.0	2.0	1.2	0.8	2.0	2.0	14.9
Finance, property and business services	15.5	13.7	14.7	7.3	7.6	14.8	14.4	88.6
Public administration and defence(a)	34.6	36.5	36.5	20.4	16.2	36.6	36.8	343.0
Community services	31.7	33.6	32.0	12.2	20.3	32.5	32.7	247.6
Health	9.3	9.4	9.5	2.0	7.6	9.6	9.4	60.6
Education, museum and library services	15.3	15.5	15.0	6.0	9.2	15.2	15.4	118.4
Welfare and other community services	*7.1	*8.7	7.6	4.3	3.4	7.7	7.8	68.6
Recreation, personal and other services(b)	10.2	9.3	9.1	3.9	5.2	9.1	9.1	38.8
<b>Total all industries(c)</b>	<b>126.4</b>	<b>125.6</b>	<b>127.0</b>	<b>66.6</b>	<b>61.3</b>	<b>127.9</b>	<b>127.3</b>	<b>935.7</b>

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) Excludes private households employing staff. (c) Includes Mining and employees of government agencies classified to Agriculture, forestry, fishing and hunting.

TABLE 20. EMPLOYED WAGE AND SALARY EARNERS, PRIVATE SECTOR — EMPLOYER UNIT SIZE(a)

	<i>Less than 20 employees</i>		<i>20-99 employees</i>		<i>100 or more employees</i>		<i>Total</i>	
	<i>August 1990</i>	<i>September Quarter 1990</i>	<i>August 1990</i>	<i>September Quarter 1990</i>	<i>August 1990</i>	<i>September Quarter 1990</i>	<i>August 1990</i>	<i>September Quarter 1990</i>
	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>
<b>AUSTRALIA BY INDUSTRY</b>								
Mining	4.8	40.6	8.4	85.7	65.1	800.6	78.3	926.8
Manufacturing	166.3	887.0	227.6	1,464.6	608.9	4,755.0	1,002.8	7,106.6
Electricity, gas and water	0.2	0.9	0.2	1.6	1.4	11.7	1.7	14.2
Construction	132.3	743.5	58.4	478.4	62.2	638.5	252.9	1,860.3
Wholesale and retail trade	482.9	2,197.8	272.4	1,619.0	495.1	2,514.1	1,250.4	6,331.0
Transport and storage	54.3	292.8	47.1	316.2	65.1	524.4	166.5	1,133.4
Finance, property and business services	230.3	1,409.0	147.6	1,131.9	309.0	2,516.4	686.9	5,057.3
Community services	153.7	815.2	112.7	574.3	241.4	1,283.7	507.7	2,673.3
Recreation, personal and other services(b)	192.5	620.0	129.3	479.2	120.8	543.0	442.6	1,642.1
<b>Total all industries(c)</b>	<b>1,416.7</b>	<b>7,000.3</b>	<b>1,003.7</b>	<b>6,150.2</b>	<b>1,970.5</b>	<b>13,599.2</b>	<b>4,390.9</b>	<b>26,749.7</b>
<b>STATES AND TERRITORIES</b>								
New South Wales	489.5	2,528.7	333.8	2,218.5	758.1	5,352.1	1,581.4	10,099.4
Victoria	381.8	1,886.2	294.0	1,781.6	570.3	4,192.6	1,246.1	7,860.3
Queensland	239.6	1,110.6	145.0	808.4	268.1	1,736.6	652.7	3,655.6
South Australia	120.5	559.4	88.7	492.0	153.7	891.6	362.9	1,942.9
Western Australia	110.5	548.1	90.5	565.9	153.0	1,004.5	354.0	2,118.5
Tasmania	36.7	162.1	22.5	115.7	37.7	250.0	96.9	527.8
Northern Territory	15.0	81.4	14.4	84.4	11.0	75.3	40.4	241.1
Australian Capital Territory	22.9	122.0	14.1	80.8	19.5	101.3	56.5	304.1

(a) See Appendix 3. (b) Excludes private households employing staff. (c) Includes employees of private enterprises classified to Communication.



## APPENDIX 1 - EXPLANATORY NOTES

### Introduction

This publication contains results of the quarterly Survey of Employment and Earnings (SEE) which was introduced in the September quarter 1983. The survey is designed to obtain, from employer units, information on numbers of wage and salary earners employed each month and their quarterly earnings. It replaces the civilian employees series, based principally on information obtained from payroll tax returns, which was discontinued after April 1980.

2. Background information on the reasons for the introduction of this survey is provided in *Information Paper: Review of ABS Employment Statistics* (6239.0) published on 8 July 1981. Further information on the differences in concepts, methodology and coverage of the old and new employment series is provided in *Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0) issued on 21 June 1984.

### Scope of the survey

3. All wage and salary earners who received pay in any pay period ending within the quarter were represented in the survey, except: members of the Australian permanent defence forces; employees of enterprises in the private sector primarily engaged in agriculture, forestry, fishing and hunting; employees in private households employing staff; employees of overseas embassies, consulates, etc; employees based outside Australia.

4. As an indicator of the number of employed wage and salary earners out of scope of the survey, and included in the first three groups above, the following estimates derived from other sources show the average number of employees for the year ended June 1990 as:

• New South Wales	79,000
• Victoria	42,800
• Queensland	53,700
• South Australia	21,500
• Western Australia	29,100
• Tasmania	9,000
• Northern Territory	7,400
• Australian Capital Territory	7,700
• Australia	250,300

### Survey design

5. The survey is conducted by mail each quarter with data collected on monthly number of employees and quarterly earnings. For the first and last month of each quarter, only the total number of persons is collected; for the mid month of each quarter, details of males and females, full-time and part-time are collected.

6. For the *Private* and *Public* sectors, samples of approximately 15,000 private and 2,500 public employer units were selected from the ABS register of businesses to ensure adequate State and industry representation. The statistical unit for the survey comprises all activities of an enterprise in a particular State. Each statistical unit was classified to an industry which reflected the predominant activity of the enterprise in the State. In a small number of cases where an enterprise had a significant number of employees in more than one industry, a separate statistical unit was created for each industry. Periodically, a review is undertaken to determine whether existing enterprises which are split into separate statistical units should continue to report on that basis. In addition, larger enterprises which are not currently split into separate statistical units are examined to decide whether they should be split for the purpose of reporting their employees. Any changes in reporting arrangements as a result of such review can have an impact on the industry estimates at the time of their implementation. Private sector statistical units are stratified by State, industry, and number of employees. Public sector statistical units are further stratified by institutional sector. An equal probability sample is selected from each stratum.

7. For the March quarter 1988 survey, a new private sector sample was introduced which reduced the number of private sector statistical units selected from 20,000 to 15,000. The new allocation of units within the existing stratification was achieved without significant loss of accuracy in the main estimates. The greater than usual change in the sample in recent quarters, however, has caused an increase in the standard error of the movement in the estimates between those periods (see paragraphs 10 to 12, below, for more information on interpretation of estimates of movements).

8. For the September quarter 1988, public sector sampling was introduced which reduced the number of public sector statistical units from a complete enumeration of approximately 4,000 to a sample of 2,500. This change has also been achieved without significant loss of accuracy in the main estimates.

### Reliability of estimates

9. Estimates are subject to sampling and non-sampling errors. For more information refer to Appendix 2 - Technical Note.

### Interpretation of estimates of movements

10. While estimates of employed wage and salary earners are presented in this publication for each month of the quarter, the survey is conducted quarterly and the sample of employer units is updated each quarter to reflect changes in the ABS register of business units, from which the sample is selected. These changes arise from the emergence of new businesses, takeovers and mergers, changes to industry classification, changes in the number

of employees, and businesses which have ceased operations. Such updating of the register can contribute to sudden changes in the estimates of employed wage and salary earners, and earnings.

11. Recently the ABS has introduced new definitions and rules for recording units on the register with greater emphasis being given to the way organisations are structured and the type of data available from businesses' accounts. In order to correctly interpret these new rules, the ABS has commenced a program of visits to the largest private and public sector organisations in Australia to obtain up to date information on their structure and operations. The outcome of these visits and the adoption of new units definitions will be changes in the survey estimates, as outlined in paragraph 10 above.

12. Estimates of monthly movements within each quarter arise solely from changes in reported number of employees by employer units but movements between quarters also reflect changes resulting from updating the survey sample.

#### Coverage Adjustment

13. This survey uses as its sampling frame the ABS's register of businesses which is regularly updated to take account of new businesses and businesses ceasing operation. A major source of information on new businesses is group employer (GE) registration with the Australian Tax Office. The ABS is developing an improved computerised system which will reduce the delay in new businesses from this source being recorded on the register, while at the same time undertaking an analysis to identify businesses which have been omitted from the register in the past. During the time these improvements to the register are being implemented, it has been necessary to temporarily suspend updating the register from GE registrations. New GE businesses will be represented in the survey results from the June quarter 1990 and extend for a period of up to four quarters by including a small allowance (a 'new business provision') which is based on analysis of the contribution of such units in previous periods and taking current changes to economic conditions into consideration. In the September quarter the new business provision added 74,800 (1.2%) persons to the estimate at the total Australia level. For Gross Earnings the estimate increased by \$443m (1.1%). Adjustments have also been made at the State and Territory level. The details of these adjustments are available on request. When the improvements to the business register have been completed in 1991 the series in this publication may be revised to correct for any deficiencies in the new business provision for surveys from June 1990, using information that will then be available concerning new GE businesses.

#### Seasonal Adjustment

14. Seasonally adjusted series are published in Tables 2, 5 and 11. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series

can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

15. The series have been seasonally adjusted from September 1983 and the historical series can be made available on request. The seasonal factors are reviewed annually to take account of each additional year's original data. The most recent review took place in the March quarter 1990.

16. It is possible that the seasonality of employment has been affected to varying degrees by the changed patterns of school holidays in some States. The impact of these changes on seasonally adjusted estimates cannot be assessed at this stage, and such effects are contained in both original and seasonally adjusted series.

17. Details about the method of seasonal adjustment of these series are available on request.

#### Standard Institutional Sector Classification of Australia (SISCA)

18. SISCA is a system for classifying institutional units by broad economic sectors and is a key component of the general national accounting framework. For the purposes of these statistics the classification has been used to separate public sector enterprises into public business (trading and financial) and general government. Certain public sector data have been classified by SISCA and are presented in Tables 6, 7 and 8.

#### Comparability of results

19. This series differs in several important ways from the former payroll tax-based civilian employees series, and estimates of employed wage and salary earners obtained from the Labour Force Survey (LFS). It provides an estimate of the number of jobs occupied by people, whereas the other two series provide estimates of the number of people in jobs. For this series, data are obtained directly from a sample survey of employer units drawn from the ABS register of business units, which is more complete than the coverage provided by employers subject to payroll tax. Comparability with LFS estimates is affected by the use of a different survey methodology and definitions. In addition, because of unavoidable time delays, which can vary across States, lags occur between the birth of new businesses and their appearance on the ABS register. They will not be represented in the sample selected from the register for one or two quarters after such businesses have commenced operation. As a consequence, estimates of movements in this series will lag those produced from the LFS, particularly at a time of upward movement in the business cycle. A detailed description of the comparability between the SEE series, the former payroll tax-based Civilian Employees series and the series provided by the LFS is presented in the *Information Paper: New Statistical Series: Employment*,



*Average Weekly Earnings, Job Vacancies and Overtime* (6256.0). Additional detail on the differences between the SEE and the LFS series appears in the *Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0), and in the supplement to the December 1986 issue of the *Treasury Roundup*.

20. Separate estimates of full-time and part-time employees are included in Table 9. For definitions of these terms, see Appendix 3 - Glossary. This table was first published in the June quarter 1987 issue of this publication and has not been published for previous quarters back to September 1983. This information is available on request. For the reasons outlined above in paragraph 19, it is difficult to compare estimates of full-time and part-time employees derived from the SEE with those produced from the LFS. Generally, the number of full-time employees is higher in the LFS series, and the number of part-time employees is higher in the SEE series. In the LFS, a person who works more than 35 hours a week in total in two (or more) part-time jobs is classified as working full-time. However, in this situation, the SEE would show two part-time jobs as having been filled.

21. The SEE collects total quarterly employee earnings primarily for use in estimating the gross domestic product component of the Australian National Accounts. Whilst average employee earnings can be derived from these data, the results will not be comparable with those from the Survey of Average Weekly Earnings (AWE) published in *Average Weekly Earnings, States and Australia* (6302.0). The SEE collects the sum of employee earnings paid in all pay periods ending in a quarter and the results will be affected by the varying number of pay periods from quarter to quarter, whereas the AWE relates to a specified pay period within a quarter and is not subject to such influences. In addition, certain types of payments within the scope of the SEE, such as retrospective pay, pay in advance, leave loadings and severance, termination and redundancy payments are specifically excluded from the AWE. The SEE earnings data are also subject to seasonal variations particularly in December and March quarters due to the incidence of holidays taken in January being paid in advance and the earnings being reported in December quarter figures.

22. Prior to July 1983 the number of public sector employees was derived from a variety of administrative sources and published in *The Labour Force, Australia* (6203.0). Public sector employee figures for July 1983 and subsequent months are based on data obtained from government departments and authorities using the same questionnaire, definitions, reference period, collection and processing procedures as for the sample of private employer units.

23. Differences occur between the new and old public sector series because of the changes to collection arrangements, reference period, the treatment of part-time employees and inclusion of public employees in forestry and services to agriculture (11,200 in May 1983). To pro-

vide a statistical link between the new and old public sector series, information on the new and old basis for April, May and June 1983 was released in the September quarter 1983 issue of this publication.

#### Employer unit size classification

24. Data presented in Table 20 show the concentration of employees in employer units in three size ranges. Over a period, the composition of these categories will vary as some employer units migrate from one size group to another due to changes in their employment levels. This will affect changes over time in the distribution of employees by size of employer unit.

#### Semi-logarithmic graphs

25. Diagram 5 on page 3 has been drawn using a logarithmic vertical scale to facilitate comparisons of rates of growth in series of differing magnitude. Equal distances on the vertical scale (over equal time periods) indicate equal rates of growth.

#### Related publications

26. Users may also wish to refer to the following publications which are available on request:

*The Labour Force, Australia* (6203.0) — issued monthly

*Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0) — issued 11 July 1985

*Average Weekly Earnings, Australia (Preliminary)* (6301.0) and *Average Weekly Earnings, States and Australia* (6302.0) — issued quarterly

*Occasional Paper No. 1986/1: Statistics on Wages, Earnings, Income and Labour Costs — A Guide to Their Concepts, Measurement and Usage* — issued June 1986

*A Guide to Labour Statistics* (6102.0) — issued 10 February 1986

*Small Business in Australia 1983-84 to 1986-87* (1321.0) — issued September 1988.

27. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released within the next few days. The Catalogue and Publications Advice are available from any ABS office.

#### Unpublished statistics

28. In some cases, the ABS can also make available other information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout, diskette, clerically-extracted tabulation. Generally, a charge is made for providing unpublished information. In-

quiries should be made to Errol Preston on Canberra (06) 252 6511, or to Information Services in the nearest ABS office.

#### Symbols and other usages

- nil or rounded to zero
- r revised
- \* subject to sampling variability too high for most practical purposes. *See paragraph 3 of Appendix 2 - Technical Note*

29. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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## APPENDIX 2 - TECHNICAL NOTE

### Reliability of estimates

Estimates for both the private and public sectors in this publication are subject to sampling variability because they are based on information relating to a sample of employer units rather than a full enumeration, (i.e. they may differ from the figures that would have been produced if the information had been obtained from all employer units). This difference, called sampling error, should not be confused with inaccuracy that may occur because of imperfections in reporting by respondents or in processing by the ABS; such inaccuracy is referred to as non-sampling error and may occur in any enumeration, whether it be a full count or sample. Efforts have been made to reduce the non-sampling error by careful design of questionnaires, detailed checking of returns and quality control of processing.

2. The sampling error associated with any estimate can be estimated from the sample results. One measure of sampling error is given by the *standard error* which indicates the degree to which an estimate may vary from the value that would have been obtained from a full enumeration (the 'true' figure). There are about two chances in three that a sample estimate differs from the true value by less than one standard error, and about nineteen chances in twenty that the difference will be less than two standard errors.

3. If the standard error of an estimate is large relative to the size of the estimate, the usefulness of that estimate is seriously impaired. For the tables in this publication, estimates with standard errors greater than 25 per cent of the estimate have been labelled with an asterisk.

4. Standard errors of estimates of *level*, by industry, are shown in Table A for the private sector and Table B for the public sector and relate only to the third month of the quarter. As the survey is conducted quarterly from a common sample of employer units, who report details of employees for each month of the quarter, standard errors

on all estimates for total persons employed in each month are of a similar magnitude.

5. Standard errors of estimates of *movements*, provide a measure of the reliability of changes in the level of an estimate. Tables A and B show standard errors for movements in the level of estimates for the private and public sectors respectively for persons between the third month of successive quarters. Annual movement standard errors are also shown and relate to December 1988 - December 1989 movements.

6. An example of the use of standard error on *levels* is as follows. If the estimated number of wage and salary earners was 5,500,000 with a standard error of 25,000, then there would be about two chances in three that a full enumeration would have given a figure in the range 5,475,000 to 5,525,000 and about nineteen chances in twenty that it would be in the range 5,450,000 to 5,550,000.

7. An example of the use of standard error on *movements* is as follows. If the estimated standard error for a quarterly change estimate of wage and salary earners was 15,000 and the quarterly change estimate between two quarters was 40,000 persons, then there would be about two chances in three that a full enumeration would have given a quarterly change estimate in the range 25,000 to 55,000 persons and about nineteen chances in twenty that it would be in the range 10,000 to 70,000 persons.

8. Quarterly movements in estimates of employed wage and salary earners are considered to be statistically significant where they exceed two standard errors.

9. Standard errors for earnings are approximately the same relative size as standard errors for number of employees. Detailed standard errors for both employment and earnings are available on request.

TABLE A. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES — PRIVATE SECTOR :  
STANDARD ERRORS, SEPTEMBER 1990, PERSONS  
(<sup>'000</sup>)

Industry	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
LEVEL									
Mining	0.9	0.2	1.5	0.2	0.9	0.1	0.2	0.1	2.0
Manufacturing	4.6	6.9	2.8	2.6	1.9	0.5	0.2	0.3	9.3
Construction	4.1	10.5	3.9	2.4	2.4	0.5	1.8	0.6	12.6
Wholesale and retail trade	14.4	12.6	7.8	5.0	3.3	1.2	1.6	2.1	21.7
Transport and storage	4.5	3.9	5.4	1.3	3.0	0.3	0.3	0.2	8.7
Finance, property and business services	16.3	11.9	4.6	3.7	2.8	0.9	1.9	1.6	21.3
Community services	6.0	6.6	3.4	4.2	1.7	0.9	1.0	0.8	10.7
Recreation, personal and other services(a)	11.7	6.0	4.0	1.8	2.1	0.7	1.0	1.2	14.1
Total all industries	26.5	23.5	12.8	8.6	6.7	2.0	3.4	3.1	39.6
QUARTERLY MOVEMENT									
Mining	1.2	0.2	1.2	0.2	0.8	0.1	0.1	0.1	1.9
Manufacturing	5.3	6.6	3.1	2.1	1.8	0.7	0.2	0.3	9.4
Construction	2.9	5.7	2.3	1.5	1.0	0.5	0.6	0.7	7.1
Wholesale and retail trade	5.7	5.3	4.2	5.1	1.7	1.3	0.6	0.8	10.5
Transport and storage	2.1	2.3	4.4	0.8	1.1	0.4	0.1	0.1	5.6
Finance, property and business services	11.4	10.0	4.5	1.9	1.8	0.7	1.0	1.1	16.2
Community services	2.6	2.2	4.9	2.7	1.1	3.5	1.0	1.4	7.7
Recreation, personal and other services(a)	5.1	3.4	4.2	0.8	1.1	0.5	0.3	0.5	7.6
Total all industries	15.4	15.0	10.8	6.7	3.8	3.9	1.7	2.1	25.7
ANNUAL MOVEMENT(b)									
Mining	1.2	0.3	1.2	0.3	1.2	0.1	0.2	—	2.1
Manufacturing	8.3	7.8	4.5	2.6	2.7	0.8	0.3	0.2	12.8
Construction	5.0	10.1	5.0	2.4	4.5	0.7	1.5	0.8	13.5
Wholesale and retail trade	17.3	14.0	10.1	6.4	4.4	2.0	1.4	1.2	25.8
Transport and storage	6.4	5.6	5.8	—	1.8	0.4	0.3	1.5	10.6
Finance, property and business services	13.5	13.8	7.7	3.2	4.4	1.1	1.3	1.4	21.6
Community services	6.8	6.8	5.6	2.6	17.0	2.4	0.9	0.6	20.7
Recreation, personal and other services(a)	10.5	14.4	7.1	2.5	2.4	1.2	1.0	1.0	19.6
Total all industries	27.8	28.9	18.0	8.8	19.1	3.7	2.9	2.8	49.0

(a) Excludes private households employing staff. (b) See paragraph 5 in Appendix 2.

TABLE B. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES — PUBLIC SECTOR :  
STANDARD ERRORS, SEPTEMBER 1990, PERSONS  
(<sup>'000</sup>)

Industry	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
LEVEL									
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	—	—
Mining	—	—	—	—	—	—	—	—	—
Manufacturing	0.2	—	0.2	—	—	—	—	—	0.3
Electricity, gas and water	0.1	0.1	0.2	—	—	—	—	—	0.2
Construction	—	—	2.3	—	—	—	—	—	2.3
Wholesale and retail trade	0.6	—	—	—	0.1	—	—	—	0.6
Transport and storage	0.1	—	—	—	—	—	—	—	0.1
Communication	—	0.1	—	—	—	—	—	—	0.1
Finance, property and business services	0.4	0.2	—	—	—	—	—	—	0.4
Public administration and defence(a)	1.5	1.2	0.6	0.6	0.2	0.1	—	0.1	2.1
Community services	1.9	0.6	0.9	0.5	0.5	—	—	—	2.3
Recreation, personal and other services	1.1	0.1	—	0.1	—	—	—	—	1.1
Total all industries	2.4	1.3	2.5	0.8	0.6	0.1	—	0.1	3.9
QUARTERLY MOVEMENT									
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	—	—
Mining	—	—	—	—	—	—	—	—	—
Manufacturing	0.2	—	—	—	—	—	—	—	0.2
Electricity, gas and water	—	0.2	—	—	—	—	—	—	0.2
Construction	—	—	2.3	—	—	—	—	—	2.3
Wholesale and retail trade	0.6	—	—	—	—	—	—	—	0.6
Transport and storage	—	1.0	—	—	—	—	—	—	1.0
Communication	—	0.1	—	—	—	—	—	—	0.1
Finance, property and business services	0.1	—	—	—	—	—	—	—	0.1
Public administration and defence(a)	0.6	0.7	0.6	0.4	0.1	—	—	0.1	1.2
Community services	0.6	0.3	1.3	0.2	—	—	—	—	1.4
Recreation, personal and other services	0.5	0.1	—	0.1	—	—	—	—	0.5
Total all industries	0.8	0.6	2.7	0.4	0.1	—	—	0.1	2.9
ANNUAL MOVEMENT(b)									
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	—	—
Mining	—	—	—	—	—	—	—	—	—
Manufacturing	—	0.1	0.1	—	—	—	—	—	0.1
Electricity, gas and water	—	—	0.1	—	—	—	—	—	0.1
Construction	—	—	—	—	—	—	—	—	—
Wholesale and retail trade	—	—	0.1	—	—	—	—	—	0.1
Transport and storage	0.2	2.3	0.1	—	—	—	—	—	2.3
Communication	—	0.1	—	—	—	—	—	—	0.1
Finance, property and business services	0.2	—	0.1	—	—	—	—	—	0.2
Public administration and defence(a)	0.7	0.7	0.5	0.2	0.3	—	—	—	1.2
Community services	1.2	1.0	0.6	0.1	0.4	—	—	—	1.7
Recreation, personal and other services	0.9	—	—	0.1	—	—	—	0.1	0.9
Total all industries	1.2	2.6	0.4	0.2	0.5	—	—	0.1	3.0

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) See paragraph 5 in Appendix 2.



## APPENDIX 3 - GLOSSARY

**Commonwealth government employees.** Persons employed by all departments, agencies and authorities created by or reporting to the Commonwealth Parliament, including trading bodies such as banks, airlines and communications bodies. Those bodies run jointly by Commonwealth and State governments are classified to Commonwealth.

**Employer units** are the statistical units which make up the population from which the sample was drawn (see paragraph 6 of Appendix 1 - Explanatory Notes).

**Employer unit size.** To derive estimates of employer unit size, each of the approximately 15,000 private sector employer units is allocated a size classification based on the number of employees actually reported for the middle month of the quarter. The size classification reflects the size of an enterprise in a particular State/Territory and not necessarily the size of an enterprise Australia wide.

**Full-time employees.** Permanent, temporary and casual employees who normally work the agreed or award hours for a full-time employee in their occupation and who received pay for any part of the reference period. If agreed or award hours do not apply, employees are regarded as full-time if they ordinarily work 35 hours or more per week.

**General government enterprises.** Public sector enterprises mainly engaged in the production of goods and services, outside the normal market mechanisms, providing these goods and services to the general public. The costs of operations are often financed from public revenues. e.g. Governments Departments.

**Gross earnings.** Payments to employees before tax and other items (such as superannuation) are deducted. They comprise ordinary time and overtime earnings; overaward payments; penalty payments, shift and other remunerative allowances; commissions and retainers; bonuses and similar payments; payments under incentive or piecework; payments under profit-sharing schemes; leave loadings; annual and long service leave payments; sick leave payments; advance and retrospective payments; salaries and fees paid to company directors, members of boards, committees, commissions, councils, etc.; amounts paid to employees on workers' compensation who continue to be paid through the payroll; and severance, termination and redundancy payments.

**Industry.** Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1983 Edition* (1201.0).

**Institutional sector.** Institutional sector is classified according to the *Standard Institutional Sector Classification of Australia (SISCA) 1987 Edition* (1218.0).

**Local government employees.** Persons employed by municipalities and shires and other local authorities created by or subject to the provisions of local government legislation, such as county councils in New South Wales.

**Number of employees.** All wage and salary earners who received pay for any part of the relevant pay period. All permanent, temporary, casual, managerial and executive employees are included. Part-time and casual employees who may have worked only a few hours during the reference period are included. Employees on *paid* leave and those employees on workers' compensation who continue to be paid through the employer's payroll are also included. Casual employees who work on an irregular basis and who were not paid during the relevant pay period, employees on leave without pay, on strike or stood down without pay for the whole of the pay period are excluded.

**Part-time employees.** Permanent, temporary and casual employees who are not classified as full-time employees as defined.

**Public employees.** Administrative employees and all other employees of Commonwealth, State and Local government businesses and financial undertakings engaged in services such as railways, road transport, banks, postal and telecommunications, air transport, education, radio, television, police, public works, factories, marketing authorities, hospitals and welfare institutions.

**Public financial enterprises.** Public sector enterprises actively involved in financial market transactions such as borrowing and lending. Excluded are those public bodies whose funds flow directly to or from general government revenue.

**Public trading enterprises.** Public sector enterprises predominately engaged in the production of goods and services with an intention of maximising profits and financial returns with most operating costs being derived from trading activities.

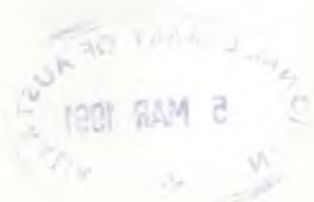
**Reference period for the number of employees.** The last pay period ending on or before the third Friday in each month.

**Reference period for earnings.** All pay periods for which the end of the pay period falls within the quarter.

**Sector.** Public sector includes local government authorities and all government departments, agencies and authorities created by, or reporting to the Commonwealth and State Parliaments. All remaining employees are classified as private sector.

**State government employees.** Persons employed by all State government departments and authorities created by, or reporting to, State Parliaments, including organisations for which the Commonwealth has assumed financial responsibility, e.g. universities. Following self-government, the Northern Territory and the Australian Capital Territory administrations have been classified to 'State' governments. Employees of State governments employed interstate are included in the estimates of the State in which they are based.





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As other alternative sources become available they will be listed in the chart above. However, we may be able to provide other methods upon request.

## Unpublished data

The data appearing in this publication represent only a small proportion of the total amount available. Subject to accuracy and confidentiality considerations, there is a large volume of data which can be made available to users upon request. The scope of the data availability is shown below.

Estimates of employed wage and salary earners further classified by:

- Sex
- Full-time/part-time (available for mid-month of quarter only)
- Total persons (available monthly by original and selected seasonally adjusted series)

Industry (see Table 10 on pages 14 and 15 for an indication of the detail available)

Sector (Private/Public, further classified by Commonwealth, State, Local and Public Institutional Sector)

States, Territories and Australia

Employer size (Private sector only)

For further information on any of the above, contact:

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Australian Bureau of Statistics  
P.O. Box 10  
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